# Tarrant County Water Supply Planning Information & Resources

This document summarizes key water supply planning information for Tarrant County and highlights planning and drought resources available from the Texas Water Development Board (TWDB). This document was developed to support regional water planning group outreach efforts aimed at improving engagement with small and rural entities.



All water utilities in the state are strongly encouraged to participate in the regional water planning process and utilize TWDB resources to ensure sufficient water supplies are available for all Texans in times of drought.

Definitions of common regional water planning terms and acronyms are available at this link.

# Future Water Supply Plans

# Region C Regional Water Planning

Tarrant County is located in the Region C Regional Water Planning Area, which encompasses all or parts of 16 counties in north Texas (Figure 1). The Region C Regional Water Planning Group is responsible for developing a regional water plan every five years based on conditions that the region would face under a recurrence of a historical drought of record. The results of the regional water plan are included in the state water plan and inform state financial assistance and surface water right permitting decisions. The 2026 plan is currently under development and due to the TWDB in October 2025.

Public involvement is a key component to regional water planning. To ensure your water needs are accurately reflected in the 2026 plan, get involved in Region C water planning by visiting <a href="https://regioncwater.org/">https://regioncwater.org/</a> or contact the Trinity River Authority at <a href="mailto:longas@trinityra.org">longas@trinityra.org</a>, 817-467-4343.

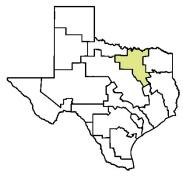


Figure I – Region C Regional Water Planning Area

# 2021 Region C Regional Water Plan

The 2021 Region C Regional Water Plan is available at <a href="http://www.twdb.texas.gov/waterplanning/rwp/plans/2021/index.asp.">http://www.twdb.texas.gov/waterplanning/rwp/plans/2021/index.asp.</a>

The following highlights from the plan are included in Attachment I

- Table A1 summarizes current water supply sources, 2020 and 2070 water supply needs, and recommended water management strategies for water user groups in Tarrant County.
- Table A2 provides additional context on the severity of the identified water supply needs by expressing the needs as a percentage of each water user group's total demand. The larger the percent of an entity's total demand, the more severe a potential shortage may be.
- Table A3 presents unmet needs that remain even if all the recommended strategies in the plan were implemented.

# Water Providers in Tarrant County

# **Municipal Water User Groups**

Public water systems provide potable water for public use and have at least 15 service connections or serve at least 25 individuals at least 60 days out of the year. Public water systems that provide more than 100 acre-feet of water per year for municipal use are considered municipal water user groups and are individually planned for in the regional water planning process. Note that some municipal water user groups include more than one public water system. Table I lists the Tarrant County municipal water user groups for the 2026 regional water plan and associated public water systems that are located in the county.

Table 1. Tarrant County municipal water user groups and associated public water systems

| Water User Group         | Associated Public Water Systems(s)  |
|--------------------------|---|
| Arlington                | CITY OF ARLINGTON (TX2200001)   |
| Azle*                    | CITY OF AZLE (TX2200002)  |
| Bedford                  | CITY OF BEDFORD (TX2200003)   |
| Benbrook Water Authority | BENBROOK WATER AUTHORITY (TX2200029)  |
| Bethesda WSC*            | BETHESDA WSC (TX1260017)  |
| Blue Mound               | BLUE MOUND (TX2200005)  |
| Burleson*                | CITY OF BURLESON (TX1260002)  |
| Colleyville              | CITY OF COLLEYVILLE (TX2200043)   |
| Community WSC*           | COMMUNITY WSC (TX2200044)   |
| Crowley*                 | CITY OF CROWLEY (TX2200034)   |
| Dalworthington Gardens   | CITY OF DALWORTHINGTON GARDENS (TX2200047)R                                     |
| Edgecliff                | TOWN OF EDGECLIFF VILLAGE (TX2200048) <sup>R</sup>                              |
| Euless                   | CITY OF EULESS (TX2200031)  |
| Everman                  | CITY OF EVERMAN (TX2200010)R  |
| Flower Mound*            | TOWN OF FLOWER MOUND (TX0610023)  |
| Forest Hill              | CITY OF FOREST HILL (TX2200011)**   |
| Fort Worth*              | CITY OF FORT WORTH (TX2200012);<br>NAVAL AIR STN JOINT RESERVE BASE (TX2200332) |
| Grand Prairie*           | CITY OF GRAND PRAIRIE (TX0570048)   |
| Grapevine                | CITY OF GRAPEVINE (TX2200013)   |
| Haltom City              | CITY OF HALTOM CITY (TX2200014)   |
| Haslet                   | CITY OF HASLET (TX2200052)R   |
| Hurst                    | CITY OF HURST (TX2200054)   |
| Johnson County SUD*      | JOHNSON COUNTY SUD (TX1260018)  |
| Keller                   | CITY OF KELLER (TX2200096)  |
| Kennedale                | CITY OF KENNEDALE (TX2200017)R  |
| Lake Worth               | CITY OF LAKE WORTH (TX2200060) <sup>R</sup>                                     |
| Lakeside                 | TOWN OF LAKESIDE (TX2200028) <sup>R</sup>                                       |

| Water User Group     | Associated Public Water Systems(s)              |
|----------------------|---|
| Mansfield*           | CITY OF MANSFIELD (TX2200018)                   |
| North Richland Hills | CITY OF NORTH RICHLAND HILLS (TX2200063)        |
| Pantego              | TOWN OF PANTEGO (TX2200066) <sup>R</sup>        |
| Pelican Bay          | CITY OF PELICAN BAY (TX2200164)                 |
| Reno (Parker)*       | CITY OF RENO (TX1840049)                        |
| Richland Hills       | CITY OF RICHLAND HILLS (TX2200022) <sup>R</sup> |
| River Oaks           | CITY OF RIVER OAKS (TX2200069)R                 |
| Saginaw              | CITY OF SAGINAW (TX2200023)                     |
| Sansom Park          | CITY OF SANSOM PARK (TX2200071) <sup>R</sup>    |
| Southlake*           | CITY OF SOUTHLAKE (TX2200075)                   |
| Trophy Club MUD I*   | TROPHY CLUB MUD I (TX0610018)                   |
| Watauga              | CITY OF WATAUGA (TX2200328)                     |
| Westlake             | TOWN OF WESTLAKE (TX2200350) <sup>R</sup>       |
| Westover Hills       | TOWN OF WESTOVER HILLS (TX2200078)R             |
| Westworth Village    | CITY OF WESTWORTH VILLAGE (TX2200131)R          |
| White Settlement     | CITY OF WHITE SETTLEMENT (TX2200081)            |

<sup>&</sup>lt;sup>R</sup> Public water system meets the definition of a rural political subdivision as defined in <u>Texas Water Code 15.001(14)</u>.

# **County-Other Water Systems**

County-other water systems are a subset of public water systems that provide on average less than 100 acrefeet of water per year for municipal use. For TWDB planning purposes, the following systems will be grouped together and planned for under the County-Other, Tarrant water user group category in the 2026 regional water plan:

- AVONDALE HEIGHTS (TX2200184)\*\*
- BEAR CREEK ESTATES (TX2200336)
- BENBROOK HILLS (TX2200313)
- BENBROOK VILLAGE MHP (TX2200293)\*\*
- BLUE MOUND ESTATES (TX2200100)\*\*
- CARSON RANCH (TX2200343)\*\*
- CHART HOUSE CONDOMINIUM (TX2200162)
- CIRCLE R RANCHETTES (TX2200148)
- COTTONWOOD HILLS ESTATES (TX2200045)\*\*

- COUNTRY OAKS MOBILE HOME PARK (TX2200139)\*\*
- EAGLE MOUNTAIN RV PARK (TX2200358)
- EAGLES NEST (TX2200185)\*\*
- FOREST ACRES GARDENS (TX2200186)\*\*
- FRIENDLY OAKS WSC (TX2200105)<sup>R</sup>
- GREEN ACRES MHC (TX2200127)
- HERITAGE OAKS ADDITION (TX2200090)\*\*
- HILLTOP MOBILE HOME PARK (TX2200107)
- KNOB HILL WSC (TX2200310)\*\*

<sup>\*</sup> Water user group is split by more than one county. Public water systems associated with the water user group and located in Tarrant County are shown.

<sup>\*\*</sup> Current records show that the public water system did not submit a water use survey response in 2023.

- LINKWOOD ESTATES SUBDIVISION (TX2200061)\*\*
- LUNAR LANE WATER SYSTEM (TX2200208)\*\*
- MARKUM RANCH ESTATES (TX2200281)
- MUSTANG CREEK ESTATES (TX2200353)\*\*
- NORTH FORK ESTATES (TX2200329)\*\*
- NORTH RIDGE ESTATES (TX2200326)\*\*
- PRAIRIE RIDGE ESTATES (TX2200348)\*\*
- RANCH OAKS SUBDIVISION (TX2200291)\*\*
- SAINT FRANCIS VILLAGE (TX2200070)
- SAVANNA ESTATES (TX2200338)\*\*
- SEVILLE WSC (TX2200362)

- SILVER CREEK ESTATES (TX2200277)\*\*
- SILVER SADDLE ACRES (TX2200299)
- SLAY ESTATES (TX2200072)\*\*
- SOUTH LAKE PARK SERVICE (TX2200159)
- SOUTHWOOD ADDITION (TX2200108)\*\*
- SPRING CREEK CIRCLE WSC (TX2200115)\*\*
- SUN VALLEY ESTATES WATER SUPPLY (TX2200337)\*\*
- THE RESORT AT EAGLE MOUNTAIN LAKE (TX2200344)\*\*
- TWIN LAKES WATER (TX2200190)\*\*
- VAN ZANDT FARMS (TX2200341)\*\*
- WESTSIDE RURAL WSC (TX2200079)<sup>R</sup>

# Status of Water Systems and Supply

This section highlights potentially vulnerable water systems in Tarrant County that serve a population of 7,500 or less and rely on a single water source and systems that have recently reported having 180 days or less of available supply.

### Entities that are identified as 7.500 / sole source

The following entities were identified in the 2021 Region C Regional Water Plan as having a 2010 population less than 7,500 and relying on a sole source for their water supply regardless of whether that water is provided by a wholesale water provider. These entities are highlighted since they may be more vulnerable in times of drought or in the event of a loss of water supply.

- Community WSC
- Dalworthington Gardens
- Edgecliff
- Everman
- Lakeside
- Pantego

- Pelican Bay
- River Oaks
- Westlake\*
- Westover Hills
- Westworth Village

The 2021 Region C Regional Water Plan presents potential emergency response options for entities with populations less than 7,500 that rely on a sole source and county-other water user groups in the region. Emergency response options could potentially include addition of a local groundwater well, trucking in water, importing supply from a nearby entity, or utilizing existing emergency interconnects. For the temporary

<sup>&</sup>lt;sup>R</sup> Public water system meets the definition of a rural political subdivision as defined in <u>Texas Water Code 15.001(14)</u>.

<sup>\*\*</sup> Current records show that the public water system did not submit a water use survey response in 2023.

<sup>\*</sup> Water user group is split by more than one county.

emergency response options identified for entities in Tarrant County, see <a href="Chapter 7">Chapter 7</a> of the 2021 Region C Regional Water Plan.

# **180-day Priority List occurrences**

Retail public utilities are required by the Texas Commission on Environmental Quality (TCEQ) to report when the utility is reasonably certain that its water supply will be available for less than 180 days. Between January 2016 and November 2023, no public water systems in Tarrant County reported having approximately 180 days or less of water supply remaining.

# Key TWDB Resources for Water Planning & Drought

## **Interactive State Water Plan**

The online Interactive State Water Plan provides access to detailed planning data presented at varying geographic levels, through maps, tables, and additional graphics. Users can customize what they see, for example, by selecting data associated with a specific water use category or from a specific planning decade. The displayed data is also downloadable in a spreadsheet format.

To explore detailed planning data for Tarrant County in the Interactive State Water Plan, visit <a href="https://texasstatewaterplan.org/">https://texasstatewaterplan.org/</a>.

# **Texas Water Service Boundary Viewer**

The Texas Water Service Boundary Viewer (TWSBV) is a public water system service area mapping application that strives to provide the most up-to-date and best data available on the service areas for all community public water systems within Texas. The TWSBV also provides links to supplemental public water system information, including system specific data from the Drinking Water Watch (maintained by the TCEQ) as well as water use survey information.

The application is used to collect accurate retail water service boundaries to better estimate and project utility population and rural population not served by a system for the regional and state water plans.





Water systems are encouraged to use the application to verify that their service area boundaries on file are accurate and update them if changes have occurred. Information for editors (utilities) is available at: <a href="http://bit.ly/ServiceBoundaryEditor">http://bit.ly/ServiceBoundaryEditor</a>.

The public can view water system areas on file at <a href="https://www2.twdb.texas.gov/apps/WaterServiceBoundaries">https://www2.twdb.texas.gov/apps/WaterServiceBoundaries</a>.

## **Water Use Survey**

The TWDB is legislatively directed to provide planning and financial assistance for the development and management of water resources in Texas. This activity is dependent upon the accuracy and completeness of the information that water users provide in the annual Water Use Survey.

The TWDB annually collects and maintains information concerning current state water use in various reports accessible here: <a href="https://www.twdb.texas.gov/waterplanning/waterusesurvey/estimates">https://www.twdb.texas.gov/waterplanning/waterusesurvey/estimates</a>



### **TWDB Water Loss Resources**

Reducing water loss offers utilities the ability to increase their water use efficiency, improve their financial status, and assist with long-term water sustainability. Currently, all retail public water systems with more than 3,300 connections or a financial obligation to TWDB are required to annually complete and submit a <a href="Water Loss Audit">Water Loss Audit</a>. All other retail public water suppliers are required to submit a water loss audit to the TWDB every five years. Water loss audits are required to be submitted by an individual <a href="trained">trained</a> in water loss auditing.

Water loss audits help determine the appropriate actions for water loss control but, only if the water loss audit data is validated. Starting in 2025, a Water Loss Audit is required to be validated if the utility has an existing financial obligation to TWDB or is applying financial assistance from TWDB. Visit the TWDB Water Loss Audit Validation webpage for more information.

TWDB staff are available to provide water loss audit assistance and work with utility staff to better understand how water loss audits can benefit their utility. For more information on leak detection, how to collect and report accurate data, and data validation, visit <a href="https://www.twdb.texas.gov/conservation/municipal/waterloss/">https://www.twdb.texas.gov/conservation/municipal/waterloss/</a>.

# **TWDB Drought Resources**

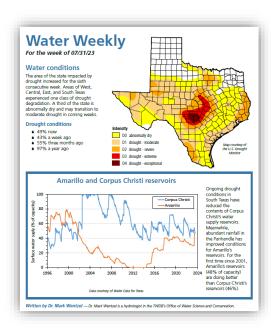
The TWDB offers a variety of resources to assist Texans with drought response and preparedness on the TWDB Drought Resources webpage, including

<u>Water Data for Texas</u>: Water Data for Texas provides information on reservoir storage levels, lake evaporation and precipitation, and water levels at the automated groundwater level wells among other types of information.

<u>Drought Dashboard</u>: The TWDB's drought dashboard provides information on conditions across the state, including rainfall, temperature, streamflow, and soil moisture as well as various drought indices and U.S. Drought Monitor status.

Water Weekly: Water weekly provides a weekly summary of drought conditions across the state.

<u>Texas Water Conditions Report</u>: Report provides a monthly summary of the state's drought and water conditions.



### **TWDB Financial Assistance Programs**

The TWDB offers a variety of cost-effective loan and grant programs that provide for the planning, acquisition, design, and construction of water related infrastructure and other water quality improvements. <u>Urgent need funding is available through the Drinking Water State Revolving Fund</u> to assists communities with addressing unforeseen situations that require immediate attention to protect public health and safety.

For more information about TWDB financial assistance programs, visit <a href="http://www.twdb.texas.gov/financial/">http://www.twdb.texas.gov/financial/</a>, or contact TWDB at 512-463-0991, <a href="mailto:Financial\_Assistance@twdb.texas.gov">Financial\_Assistance@twdb.texas.gov</a>.

# Texas Division of Emergency Management (TDEM)

The TDEM coordinates the state emergency management program, which is intended to ensure the state and its local governments respond to and recover from emergencies and disasters and implement plans and programs to help prevent or lessen the impact of emergencies and disasters. The chief of TDEM is the state drought manager and is responsible for managing and coordinating the drought response component of the state water plan. For more information, visit https://www.tdem.texas.gov/ or contact 512-424-2208.

# Texas Commission on Environmental Quality (TCEQ)

The TCEQ provides hands-on assistance to communities responding to drought, consults with public water systems about implementing drought contingency plans, tracks public drinking water systems under water-use restrictions, actively manages water in Watermaster Programs, answers the public drought-information hot line: 800-447-2827, and offers drought information on its website: <a href="https://www.tceq.texas.gov/response/drought">https://www.tceq.texas.gov/response/drought</a>.

In the event of a drinking water emergency, contact your <u>TCEQ regional office</u>. For after-hours emergencies, call 1-888-777-3186.

# Attachment I -2021 Region C Regional Water Plan Summary Tables

Table A1. Tarrant County planning summary

| Table AT. Tarra  | nt County planning summa | 2020       | 2070         |   |
|------------------|--------------------------|------------|--------------|---|
|                  |                          | Water Need | Water Need   |   |
| Water User       | Current Water Supply     | (acre-     | (acre-       | Recommended Water                                 |
| Group            | Sources                  | feet/year) | feet/year)   | Management Strategies                             |
| G. oup           |                          | icca/car)  | icea / car / | Aquifer storage and recovery;                     |
|                  |                          |            |              | Groundwater wells and other;                      |
|                  |                          |            |              | Indirect reuse; Municipal                         |
|                  | TRWD Lake/Reservoir      |            |              | conservation; New major                           |
| Arlington        | System                   | 0          | 27,652       | reservoir; Other surface water                    |
|                  |                          |            | ,            | Aquifer storage and recovery;                     |
|                  |                          |            |              | Groundwater wells and other;                      |
|                  |                          |            |              | Indirect reuse; Municipal                         |
|                  | TRWD Lake/Reservoir      |            |              | conservation; New major                           |
| Azle*            | System                   | 252        | 1,847        | reservoir; Other surface water                    |
|                  |                          |            |              | Aquifer storage and recovery;                     |
|                  |                          |            |              | Groundwater wells and other;                      |
|                  |                          |            |              | Indirect reuse; Municipal                         |
|                  | Trinity Aquifer; TRWD    |            |              | conservation; New major                           |
| Bedford          | Lake/Reservoir System    | 0          | 4,122        | reservoir; Other surface water                    |
|                  |                          |            |              | Aquifer storage and recovery;                     |
|                  |                          |            |              | Groundwater wells and other;                      |
| Benbrook         |                          |            |              | Indirect reuse; Municipal                         |
| Water            | Trinity Aquifer; TRWD    |            |              | conservation; New major                           |
| Authority        | Lake/Reservoir System    | 1,585      | 3,965        | reservoir; Other surface water                    |
|                  |                          |            |              | Aquifer storage and recovery;                     |
|                  |                          |            |              | Groundwater wells and other;                      |
|                  |                          |            |              | Indirect reuse; Municipal                         |
| Bethesda         | Trinity Aquifer; TRWD    |            |              | conservation; New major                           |
| WSC*             | Lake/Reservoir System    | l          | 3,380        | reservoir; Other surface water                    |
|                  |                          |            |              | Aquifer storage and recovery;                     |
|                  |                          |            |              | Groundwater wells and other;                      |
|                  |                          |            |              | Indirect reuse; Municipal                         |
|                  | TRWD Lake/Reservoir      |            |              | conservation; New major                           |
| Burleson*        | System                   | 3          | 5,204        | reservoir; Other surface water                    |
|                  |                          |            |              | Aquifer storage and recovery;                     |
|                  |                          |            |              | Groundwater wells and other;                      |
|                  | TD\4/D     /D   :        |            |              | Indirect reuse; Municipal                         |
| C 11 :11         | TRWD Lake/Reservoir      |            | 4 2 5 2      | conservation; New major                           |
| Colleyville      | System                   | 0          | 4,252        | reservoir; Other surface water                    |
|                  |                          |            |              | Aquifer storage and recovery;                     |
|                  |                          |            |              | Groundwater wells and other;                      |
| Community        | TRWD Lake/Reservoir      |            |              | Indirect reuse; Municipal conservation; New major |
| Community<br>WSC |                          | 0          | 196          | reservoir; Other surface water                    |
| **3C             | System                   | 1 0        | 170          | reservoir, Outer surface water                    |

|                |                                    | 2020        | 2070       |  |
|----------------|------------------------------------|-------------|------------|--|
|                |                                    | Water Need  | Water Need |  |
| Water User     | Cumant Matan Suzzlu                |             |            | Recommended Water                                      |
|                | Current Water Supply               | (acre-      | (acre-     |  |
| Group          | Sources                            | feet/year)  | feet/year) | Management Strategies                                  |
|                | Direct Reuse; Fork                 |             |            |  |
|                | Lake/Reservoir; Indirect           |             |            |  |
|                | Reuse; Ray Hubbard                 |             |            |  |
|                | Lake/Reservoir; Ray                |             |            |  |
|                | Roberts-Lewisville-                |             |            |  |
|                | Grapevine Lake/Reservoir           |             |            | Aquifer storage and recovery;                          |
|                | System; Tawakoni                   |             |            | Groundwater wells and other;                           |
|                | Lake/Reservoir; Trinity            |             |            | Indirect reuse; Municipal                              |
| County-Other,  | Aquifer; TRWD                      |             |            | conservation; New major                                |
| Tarrant        | Lake/Reservoir System              | 53          | 6,503      | reservoir; Other surface water                         |
|                |                                    |             |            | Aquifer storage and recovery;                          |
|                |                                    |             |            | Groundwater wells and other;                           |
|                |                                    |             |            | Indirect reuse; Municipal                              |
|                | Trinity Aquifer; TRWD              |             |            | conservation; New major                                |
| Crowley*       | Lake/Reservoir System              | 6           | 3,271      | reservoir; Other surface water                         |
|                |                                    |             |            | Aquifer storage and recovery;                          |
|                |                                    |             |            | Groundwater wells and other;                           |
|                |                                    |             |            | Indirect reuse; Municipal                              |
| Dalworthington | TRWD Lake/Reservoir                |             |            | conservation; New major                                |
| Gardens        | System                             | I           | 391        | reservoir; Other surface water                         |
|                |                                    |             |            | Aquifer storage and recovery;                          |
|                |                                    |             |            | Groundwater wells and other;                           |
|                |                                    |             |            | Indirect reuse; Municipal                              |
|                | TRWD Lake/Reservoir                |             |            | conservation; New major                                |
| Edgecliff      | System                             | 0           | 189        | reservoir; Other surface water                         |
|                | ,                                  |             |            | Aquifer storage and recovery;                          |
|                |                                    |             |            | Groundwater wells and other;                           |
|                | Direct Reuse; Trinity              |             |            | Indirect reuse; Municipal                              |
|                | Aquifer; TRWD                      |             |            | conservation; New major                                |
| Euless         | Lake/Reservoir System              | 0           | 2,603      | reservoir; Other surface water                         |
| Everman        | Trinity Aquifer                    | 0           | 0          | Municipal conservation                                 |
|                | Chapman/Cooper                     | <u> </u>    |            | - Tamelpar conservation                                |
|                | Lake/Reservoir Non-                |             |            |  |
|                | System Portion; Fork               |             |            |  |
|                | Lake/Reservoir; Indirect           |             |            |  |
|                | Reuse; Ray Hubbard                 |             |            |  |
|                | Lake/Reservoir; Ray                |             |            |  |
|                | Roberts-Lewisville-                |             |            | Indirect rouse: Municipal                              |
|                |                                    |             |            | Indirect reuse; Municipal                              |
|                | Grapevine Lake/Reservoir           |             |            | conservation; New major reservoir; Other direct reuse; |
| Flower Mound*  | System; Tawakoni<br>Lake/Reservoir | <i>7</i> 91 | 12.444     | Other surface water                                    |
| riower Mound*  | Lake/Reservoir                     | /71         | 12,446     |  |
|                |                                    |             |            | Aquifer storage and recovery;                          |
|                |                                    |             |            | Groundwater wells and other;                           |
|                | TD\A/D Leke/Deservein              |             |            | Indirect reuse; Municipal                              |
| Famost I I:II  | TRWD Lake/Reservoir                | 2           | 1.244      | conservation; New major                                |
| Forest Hill    | System                             | 2           | 1,246      | reservoir; Other surface water                         |

|                |   | 2020       | 2070       |  |
|----------------|---|------------|------------|--|
|                |   | Water Need | Water Need |  |
| Water User     | Cumant Motor Suzzli   |            |            | Recommended Water  |
|                | Current Water Supply Sources  | (acre-     | (acre-     |  |
| Group          | Sources   | feet/year) | feet/year) | Management Strategies Aquifer storage and recovery;  |
| Fort Worth*    | Indirect Reuse; TRWD<br>Lake/Reservoir System   | 6,138      | 185,311    | Groundwater wells and other;<br>Indirect reuse; Municipal<br>conservation; New major<br>reservoir; Other direct reuse;<br>Other surface water                                  |
|                | Fork Lake/Reservoir;  |            | ·          |  |
|                | Indirect Reuse; Ray Hubbard Lake/Reservoir; Ray Roberts-Lewisville- Grapevine Lake/Reservoir System; Tawakoni Lake/Reservoir; Trinity     |            |            | Aquifer storage and recovery;<br>Groundwater wells and other;<br>Indirect reuse; Municipal   |
|                | Aquifer; TRWD   |            |            | conservation; New major  |
| Grand Prairie* | Lake/Reservoir System   | 1,380      | 15,358     | reservoir; Other surface water   |
|                | Grapevine Lake/Reservoir<br>Non-System Portion;<br>Indirect Reuse; Ray<br>Roberts-Lewisville-<br>Grapevine Lake/Reservoir<br>System; TRWD | ,,,,,      | ,          | Aquifer storage and recovery;<br>Groundwater wells and other;<br>Indirect reuse; Municipal<br>conservation; New major  |
| Grapevine      | Lake/Reservoir System   | 1,063      | 5,453      | reservoir; Other surface water   |
|                | TRWD Lake/Reservoir   |            | 2 (20      | Aquifer storage and recovery;<br>Groundwater wells and other;<br>Indirect reuse; Municipal<br>conservation; New major  |
| Haltom City    | System  | 0          | 2,628      | reservoir; Other surface water   |
| Haslet         | Trinity Aquifer; TRWD<br>Lake/Reservoir System  | 0          | 1,711      | Aquifer storage and recovery;<br>Groundwater wells and other;<br>Indirect reuse; Municipal<br>conservation; New major<br>reservoir; Other direct reuse;<br>Other surface water |
|                | Trinity Aquifer; TRWD   |            |            | Aquifer storage and recovery;<br>Groundwater wells and other;<br>Indirect reuse; Municipal<br>conservation; New major  |
| Hurst          | Lake/Reservoir System   | 0          | 2,429      | reservoir; Other surface water   |
| Irrigation,    | Direct Reuse; Indirect<br>Reuse; Trinity Aquifer;<br>Trinity Run-of-River;<br>TRWD Lake/Reservoir<br>System; Woodbine                     |            |            | Aquifer storage and recovery;<br>Groundwater wells and other;<br>Indirect reuse; New major   |
| Tarrant        | Áquifer   | 0          | 0          | reservoir; Other surface water   |
| Johnson        | Brazos River Authority Main Stem Lake/Reservoir System; Trinity Aquifer; TRWD Lake/Reservoir  | 210        | 1.00       | Aquifer storage and recovery;<br>Groundwater wells and other;<br>Indirect reuse; Municipal<br>conservation; New major  |
| County SUD*    | System  | 318        | 1,681      | reservoir; Other surface water   |

|                 |  | 2020       | 2070       |  |
|-----------------|--|------------|------------|--|
|                 |  | Water Need | Water Need |  |
| Water User      | Current Water Supply                       | (acre-     | (acre-     | Recommended Water  |
| Group           | Sources                                    | feet/year) | feet/year) | Management Strategies  |
| Стоир           | Sources                                    | ieedyear)  | ieedyear)  | Aquifer storage and recovery;  |
|                 |  |            |            | Groundwater wells and other;   |
|                 |  |            |            | 1  |
|                 | TRWD Lake/Reservoir                        |            |            | Indirect reuse; Municipal  |
| Keller          |  | 0          | E 10E      | conservation; New major  |
| Keller          | System                                     | U          | 5,195      | reservoir; Other surface water   |
|                 |  |            |            | Aquifer storage and recovery;  |
|                 |  |            |            | Groundwater wells and other;   |
|                 | T : : A : ( TD)A/D                         |            |            | Indirect reuse; Municipal  |
| 1/              | Trinity Aquifer; TRWD                      | _          | 044        | conservation; New major  |
| Kennedale       | Lake/Reservoir System                      | 0          | 964        | reservoir; Other surface water   |
|                 |  |            |            | Aquifer storage and recovery;  |
|                 |  |            |            | Groundwater wells and other;   |
|                 |  |            |            | Indirect reuse; Municipal  |
|                 | Trinity Aquifer; TRWD                      |            |            | conservation; New major  |
| Lake Worth      | Lake/Reservoir System                      | 0          | 925        | reservoir; Other surface water   |
|                 |  |            |            | Groundwater wells and other;   |
| Lakeside        | Trinity Aquifer                            | 79         | 107        | Municipal conservation   |
| Livestock,      | Trinity Aquifer; Trinity                   |            |            |  |
| Tarrant         | Livestock Local Supply                     | 75         | 75         | Groundwater wells and other  |
|                 |  |            |            | Aquifer storage and recovery;  |
|                 |  |            |            | Groundwater wells and other;   |
|                 |  |            |            | Indirect reuse; Municipal  |
|                 | TRWD Lake/Reservoir                        |            |            | conservation; New major  |
| Mansfield*      | System                                     | 1,308      | 26,747     | reservoir; Other surface water   |
|                 |  |            |            | Aquifer storage and recovery;  |
|                 |  |            |            | Groundwater wells and other;   |
| Manufacturing,  | Trinity Aquifer; TRWD                      |            |            | Indirect reuse; New major  |
| Tarrant         | Lake/Reservoir System                      | 32         | 5,281      | reservoir; Other surface water   |
|                 | Direct Reuse; Trinity                      |            |            | Aquifer storage and recovery;  |
|                 | Aquifer; Trinity Other                     |            |            | Groundwater wells and other;   |
|                 | Local Supply; TRWD                         |            |            | Indirect reuse; New major  |
| Mining, Tarrant | Lake/Reservoir System                      | 0          | 0          | reservoir; Other surface water   |
|                 |  |            |            | Aquifer storage and recovery;  |
|                 |  |            |            | Groundwater wells and other;   |
|                 |  |            |            | Indirect reuse; Municipal  |
| North Richland  | TRWD Lake/Reservoir                        |            |            | conservation; New major  |
| Hills           | System                                     | 0          | 5,237      | reservoir; Other surface water   |
|                 |  |            |            | Aquifer storage and recovery;  |
|                 |  |            |            | Groundwater wells and other;   |
|                 |  |            |            | Indirect reuse; Municipal  |
|                 |  |            |            | •  |
| Pantego         | Trinity Aquifer                            | 0          | 0          | reservoir; Other surface water   |
|                 |  |            |            | Groundwater wells and other;   |
|                 |  |            |            |  |
|                 |  |            |            | -  |
| Pelican Bay     | Trinity Aquifer                            | 0          | 7          | reservoir; Other surface water   |
| North Richland  | Lake/Reservoir System  TRWD Lake/Reservoir | 0          | 5,237      | reservoir; Other surface wa<br>Aquifer storage and recover<br>Groundwater wells and oth<br>Indirect reuse; Municipal<br>conservation; New major<br>reservoir; Other surface wa<br>Aquifer storage and recover<br>Groundwater wells and oth<br>Indirect reuse; Municipal<br>conservation; New major<br>reservoir; Other surface wa<br>Groundwater wells and oth<br>Indirect reuse; Municipal<br>conservation; New major |

|  |                       | 2020         | 2070        |                                |
|--|-----------------------|--------------|-------------|--------------------------------|
|  |                       | Water Need   | Water Need  |                                |
| Water User                             | Current Water Supply  | (acre-       | (acre-      | Recommended Water              |
| Group                                  | Sources               | feet/year)   | feet/year)  | Management Strategies          |
| Group                                  | Jour ces              | icca y car y | icca year y | Aquifer storage and recovery;  |
|  |                       |              |             | Groundwater wells and other;   |
|  |                       |              |             | Indirect reuse; Municipal      |
|  | Trinity Aquifer; TRWD |              |             | conservation; New major        |
| Reno (Parker)*                         | Lake/Reservoir System | 0            | 39          | reservoir; Other surface water |
| rteno (runter)                         | Zake/Reservoir system | ·            | 37          | Aquifer storage and recovery;  |
|  |                       |              |             | Groundwater wells and other;   |
|  |                       |              |             | Indirect reuse; Municipal      |
|  | Trinity Aquifer; TRWD |              |             | conservation; New major        |
| Richland Hills                         | Lake/Reservoir System | 0            | 583         | reservoir; Other surface water |
|  |                       |              |             | Aquifer storage and recovery;  |
|  |                       |              |             | Groundwater wells and other;   |
|  |                       |              |             | Indirect reuse; Municipal      |
|  | TRWD Lake/Reservoir   |              |             | conservation; New major        |
| River Oaks                             | System                | 0            | 311         | reservoir; Other surface water |
|  | -,                    |              | -           | Aquifer storage and recovery;  |
|  |                       |              |             | Groundwater wells and other;   |
|  |                       |              |             | Indirect reuse; Municipal      |
|  | TRWD Lake/Reservoir   |              |             | conservation; New major        |
| Saginaw                                | System                | 0            | 1,628       | reservoir; Other surface water |
|  | ,                     |              | ,           | Aquifer storage and recovery;  |
|  |                       |              |             | Groundwater wells and other;   |
|  |                       |              |             | Indirect reuse; Municipal      |
|  | Trinity Aquifer; TRWD |              |             | conservation; New major        |
| Sansom Park                            | Lake/Reservoir System | 0            | 42          | reservoir; Other surface water |
|  |                       |              |             | Aquifer storage and recovery;  |
|  |                       |              |             | Groundwater wells and other;   |
|  |                       |              |             | Indirect reuse; Municipal      |
|  | TRWD Lake/Reservoir   |              |             | conservation; New major        |
| Southlake*                             | System                | 0            | 8,607       | reservoir; Other surface water |
|  |                       |              |             | Aquifer storage and recovery;  |
|  |                       |              |             | Groundwater wells and other;   |
|  | Trinity Run-of-River; |              |             | Indirect reuse; New major      |
| Steam-Electric                         | TRWD Lake/Reservoir   |              |             | reservoir; Other direct reuse; |
| Power, Tarrant                         | System                | 0            | 3,010       | Other surface water            |
|  |                       |              |             | Aquifer storage and recovery;  |
|  |                       |              |             | Groundwater wells and other;   |
|  |                       |              |             | Indirect reuse; Municipal      |
| 1                                      | TRWD Lake/Reservoir   |              |             | conservation; New major        |
| Watauga                                | System                | 0            | 1,038       | reservoir; Other surface water |
|  |                       |              |             | Aquifer storage and recovery;  |
|  |                       |              |             | Groundwater wells and other;   |
|  |                       |              |             | Indirect reuse; Municipal      |
|  | TD\A/D     /D         |              |             | conservation; New major        |
| \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | TRWD Lake/Reservoir   |              | 25/2        | reservoir; Other direct reuse; |
| Westlake*                              | System                | 0            | 3,563       | Other surface water            |

|                |                       | 2020       | 2070       |                                |
|----------------|-----------------------|------------|------------|--------------------------------|
|                |                       | Water Need | Water Need |                                |
| Water User     | Current Water Supply  | (acre-     | (acre-     | Recommended Water              |
| Group          | Sources               | feet/year) | feet/year) | Management Strategies          |
|                |                       |            |            | Aquifer storage and recovery;  |
|                |                       |            |            | Groundwater wells and other;   |
|                |                       |            |            | Indirect reuse; Municipal      |
|                | TRWD Lake/Reservoir   |            |            | conservation; New major        |
| Westover Hills | System                | 0          | 412        | reservoir; Other surface water |
|                |                       |            |            | Aquifer storage and recovery;  |
|                |                       |            |            | Groundwater wells and other;   |
|                |                       |            |            | Indirect reuse; Municipal      |
| Westworth      | TRWD Lake/Reservoir   |            |            | conservation; New major        |
| Village        | System                | 0          | 215        | reservoir; Other surface water |
|                |                       |            |            | Aquifer storage and recovery;  |
|                |                       |            |            | Groundwater wells and other;   |
|                |                       |            |            | Indirect reuse; Municipal      |
| White          | Trinity Aquifer; TRWD |            |            | conservation; New major        |
| Settlement     | Lake/Reservoir System | 0          | 1,272      | reservoir; Other surface water |

<sup>\*</sup> Water user group is split by more than one county. Table presents the water user group's total summary data for all related counties.

Table A2. Tarrant County projected needs of every water user group, as a share of total demand (percent)

| Water User Group         | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
|--------------------------|------|------|------|------|------|------|
| Arlington                | -    | 12   | 22   | 29   | 35   | 40   |
| Azle*                    | 13   | 17   | 22   | 29   | 39   | 52   |
| Bedford                  | -    | П    | 21   | 28   | 34   | 38   |
| Benbrook Water Authority | 31   | 36   | 41   | 47   | 53   | 53   |
| Bethesda WSC*            | -    | 8    | 16   | 22   | 27   | 33   |
| Burleson*                | •    | 14   | 24   | 32   | 37   | 42   |
| Colleyville              | •    | 12   | 22   | 29   | 35   | 40   |
| Community WSC            | •    | 12   | 22   | 30   | 35   | 40   |
| County-Other, Tarrant    | - 1  | 10   | 18   | 27   | 32   | 38   |
| Crowley*                 | -    | 13   | 26   | 38   | 52   | 58   |
| Dalworthington Gardens   | -    | 12   | 22   | 30   | 35   | 40   |
| Edgecliff                | -    | 12   | 22   | 30   | 35   | 40   |
| Euless                   | -    | 9    | 16   | 21   | 25   | 29   |
| Everman                  | -    |      | -    | -    | -    | -    |
| Flower Mound*            | 4    | 26   | 37   | 44   | 50   | 54   |
| Forest Hill              | -    | 12   | 22   | 29   | 36   | 44   |
| Fort Worth*              | 3    | 21   | 34   | 41   | 45   | 50   |
| Grand Prairie*           | 4    | 15   | 23   | 29   | 32   | 35   |
| Grapevine                | 6    | 14   | 20   | 25   | 28   | 29   |
| Haltom City              | -    | 12   | 22   | 29   | 35   | 40   |
| Haslet                   | -    | П    | 23   | 28   | 34   | 39   |
| Hurst                    | -    | 11   | 21   | 28   | 33   | 38   |

| Water User Group              | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
|-------------------------------|------|------|------|------|------|------|
| Irrigation, Tarrant           | •    | •    | •    | •    | •    | •    |
| Johnson County SUD*           | 6    |      | -    | - 1  | - 11 | 19   |
| Keller                        | •    | 12   | 22   | 29   | 35   | 40   |
| Kennedale                     | •    | 21   | 24   | 28   | 31   | 35   |
| Lake Worth                    |      | 10   | 19   | 26   | 32   | 37   |
| Lakeside                      | 21   | 23   | 25   | 27   | 27   | 27   |
| Livestock, Tarrant            | 12   | 12   | 12   | 12   | 12   | 12   |
| Mansfield*                    | 7    | 29   | 39   | 48   | 53   | 57   |
| Manufacturing, Tarrant        | •    | 12   | 22   | 30   | 35   | 40   |
| Mining, Tarrant               | •    |      | -    | -    | -    |      |
| North Richland Hills          | •    | 12   | 22   | 29   | 35   | 40   |
| Pantego                       | •    | •    | •    | •    | •    | •    |
| Pelican Bay                   |      |      | •    | 3    | 4    | 6    |
| Reno (Parker)*                | •    |      | 4    | 10   | 16   | 20   |
| Richland Hills                | •    | 9    | 18   | 24   | 29   | 34   |
| River Oaks                    |      | 12   | 22   | 29   | 35   | 40   |
| Saginaw                       |      | 12   | 22   | 29   | 35   | 40   |
| Sansom Park                   |      |      | - 1  | 2    | 4    | 6    |
| Southlake*                    | •    | 12   | 22   | 29   | 35   | 40   |
| Steam-Electric Power, Tarrant |      | 37   | 55   | 57   | 59   | 61   |
| Watauga                       | -    | 12   | 22   | 29   | 35   | 40   |
| Westlake*                     | -    | 12   | 25   | 33   | 36   | 40   |
| Westover Hills                | -    | 12   | 22   | 29   | 35   | 40   |
| Westworth Village             | •    | 12   | 22   | 30   | 35   | 40   |
| White Settlement              | -    | 8    | 16   | 22   | 28   | 34   |

<sup>\*</sup> Water user group is split by more than one county. Table presents the water user group's total data for all related counties.

Color graded scale of needs as a share of demand from 0 (green) to 100 percent (red). **Bold** indicates needs are 100 percent met by implementation of the plan.

**Table A3. Tarrant County unmet needs (acre-feet per year)** – Table not applicable. No water user groups in the county are projected to have unmet needs in the 2021 Regional Water Plan.



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