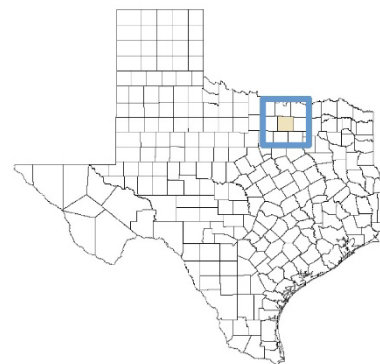


Denton County

Water Supply Planning

Information & Resources



This document summarizes key water supply planning information for Denton 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

Denton 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.

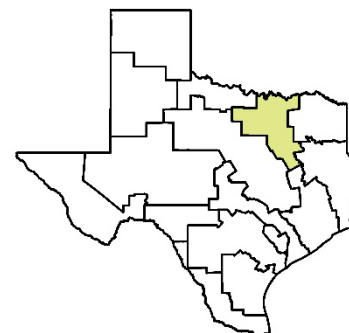


Figure 1 – Region C Regional Water Planning Area

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 <https://regioncwater.org/> or contact the Trinity River Authority at longas@trinityra.org, 817-467-4343.

2021 Region C Regional Water Plan

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

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 Denton 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 Denton 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 1 lists the Denton County municipal water user groups for the 2026 regional water plan and associated public water systems that are located in the county.

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

Water User Group	Associated Public Water Systems(s)
AMC Creekside*	CREEKSIDE WATER SYSTEM (TX0610191)
Argyle WSC	ARGYLE WSC (TX0610019)
Aubrey	CITY OF AUBREY (TX0610001) ^R
Black Rock WSC	BLACK ROCK WSC (TX0610040) ^R
Bolivar WSC*	BOLIVAR WSC (TX0610049) ^R
Carrollton*	CITY OF CARROLLTON (TX0570034)
Celina*	CITY OF CELINA (TX0430003)
Coppell*	CITY OF COPPELL (TX0570040)
Corinth	CITY OF CORINTH (TX0610065)
Cross Timbers WSC	CROSS TIMBERS WSC (TX0610020)
Dallas*	DALLAS WATER UTILITY (TX0570004)
Denton	CITY OF DENTON (TX0610002)
Denton County FWSD 10	DENTON COUNTY FWSD 10 ARTESIA (TX0610261); DENTON COUNTY FWSD 10 SAVANNAH (TX0610254)
Denton County FWSD 11-C	DENTON COUNTY FWSD 11-C (TX0610272)**
Denton County FWSD 1-A	DENTON COUNTY FWSD 1-A CASTLE HILLS (TX0610264)
Denton County FWSD 7	DENTON COUNTY FWSD 7 LANTANA (TX0610228)
Flower Mound*	TOWN OF FLOWER MOUND (TX0610023)
Fort Worth*	CITY OF FORT WORTH (TX2200012)
Frisco*	CITY OF FRISCO (TX0430005)
Hackberry	CITY OF HACKBERRY (TX0610091) ^R
Highland Village	CITY OF HIGHLAND VILLAGE (TX0610080)
Justin	CITY OF JUSTIN (TX0610003) ^R
Krum	CITY OF KRUM (TX0610007) ^R
Lake Cities Municipal Utility Authority	LAKE CITIES MUNICIPAL UTILITY AUTHORITY (TX0610029)
Lewisville*	CITY OF LEWISVILLE (TX0610004)
Little Elm	TOWN OF LITTLE ELM (TX0610035)
Mountain Springs WSC*	MOUNTAIN SPRINGS WSC (TX0490027) ^R
Mustang SUD*	MUSTANG SUD (TX0610036); MUSTANG SUD COUNTRYVIEW ESTATES (TX0610200); MUSTANG SUD LIGHT RANCH ESTATES (TX0610226)
Northlake	TOWN OF NORTHLAKE (TX0610235) ^R
Paloma Creek North	DENTON COUNTY FWSD 8-A PALOMA (TX0610258)**; DENTON COUNTY FWSD 8-B PALOMA (TX0610252)**; FRISCO WEST WCID (TX0610253)

Water User Group	Associated Public Water Systems(s)
Paloma Creek South	DENTON COUNTY FWSD 11-A PALOMA (TX0610259)**; DENTON COUNTY FWSD 11-B (TX0610256)**
Pilot Point*	CITY OF PILOT POINT (TX0610005) ^R
Plano*	CITY OF PLANO (TX0430007)
Ponder	TOWN OF PONDER (TX0610039) ^R
Prosper*	TOWN OF PROSPER (TX0430009)
Providence Village WCID	TOWN OF PROVIDENCE VILLAGE (TX0610244) ^R
Roanoke	CITY OF ROANOKE (TX0610008) ^R
Sanger	CITY OF SANGER (TX0610006) ^R
Southlake*	CITY OF SOUTHLAKE (TX2200075)
Terra Southwest	EAST PONDER ESTATES (TX0610161)**; HILLTOWN ADDITION (TX0610112)**
The Colony	CITY OF THE COLONY (TX0610081)
Trophy Club MUD 1*	TOWN OF TROPHY CLUB PUBLIC IMPROVEMENT D (TX0610273)**; TROPHY CLUB MUD 1 (TX0610018)

^R Public water system meets the definition of a rural political subdivision as defined in [Texas Water Code 15.001\(14\)](#).

* Water user group is split by more than one county. Public water systems associated with the water user group and located in Denton County are shown.

** Current records show that the public water system did not submit a water use survey response in 2023.

County-Other Water Systems

County-other water systems are a subset of public water systems that provide on average less than 100 acre-feet 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, Denton water user group category in the 2026 regional water plan:

- AERO VALLEY WATER SERVICE (TX0610243)
- BAR V K WATER WORKS (TX0610116)
- BEACH AND TENNIS CLUB HOA (TX0610266)**
- BOYD ACRES WATER SYSTEM (TX0610051)
- BRITTANY HILL WATER ASSOCIATION (TX0610181)
- CINNAMON RIDGE (TX0610209)**
- CRIPPLE CREEK WSC (TX0610187)^R
- DENTON CREEK ESTATES (TX0610015)
- DENTON ESTATES MOBILE HOME PARK (TX0610016)**
- DOUBLE ROCK ESTATES (TX0610179)
- DOVE HOLLOW WATER SYSTEM (TX0610210)**
- FOREST HILL TWO WSC (TX0610119)**
- FOXBANE COMBINED WS (TX0610164)**
- GREEN SPRINGS WSC (TX0610026)^R
- HANBY ACRES (TX0610166)**
- HARBOR GROVE WSC (TX0610045)
- HIDDEN VALLEY WATER SYSTEM (TX0610099)**
- HILLTOP ESTATES WSC (TX0610199)^R
- KNOB HILL WATER SYSTEM (TX0610068)
- LAKEVIEW WATER COOP (TX0610232)**
- LAST RESORT PROPERTIES (TX0610208)
- LONGHORN MEADOWS ADDITION (TX0610217)
- MEADOW RANCH WATER SYSTEM (TX0610223)
- MULLINS MOBILE HOME PARK (TX0610195)**

- OAK BEND HOMEOWNERS WATER SUPPLY (TX0610167)
- OLD ALTON WATER (TX0610268)**
- OLD STONY ESTATES (TX0610224)**
- PILOT POINT RURAL WATER SUPPLY (TX0610189)
- PONDER ACRES WATER SYSTEM (TX0610201)**
- PONDEROSA ADDITION UTILITIES (TX0610175)
- PONDEROSA RANCH (TX0610233)**
- RADECKE ROAD WATER SYSTEM (TX0610234)**
- RED ROCK WSC (TX0610113)^R
- RIVIERA MOBILE HOME PARK (TX0610090)
- ROCKY POINT COMMUNITY (TX0610041)
- ROCKY POINT WATER SYSTEM (TX0610070)
- SARATOGA ESTATES (TX0610163)**
- SHALE CREEK COMMUNITY (TX0610238)**
- SHERWOOD MOBILE HOME PARK (TX0610061)
- SONGBIRD ADDITION (TX0610165)**
- SOUTH FORK MOBILE HOME PARK (TX0610011)
- SPANISH OAKS ADDITION (TX0610214)**
- SPRING HILL ESTATES (TX0610218)**
- STONE VALLEY FARM (TX0610236)**
- STONEBRIDGE WSC (TX0610085)^R
- STONECREST ESTATES (TX0610059)
- STONY HILLS WATER SYSTEM (TX0610220)**
- TOWN OF LAKEWOOD VILLAGE (TX0610032)^R
- TRAIL CREEK WATER SYSTEM (TX0610203)**
- TYC MCFADDEN RANCH (TX0610219)
- VACATION VILLAGE (TX0610052)
- WATER ASSOCIATION OF NORTH LAKE (TX0610171)
- WILLOW SPRINGS ADDITION (TX0610237)**
- WILLOW WOOD ADDITION MEADOW VISTA (TX0610212)**
- WOODHAVEN MHC (TX0610060)
- WOODLAND HILLS (TX0610084)**
- WREN WATER SYSTEM (TX0610009)**
- WYNNWOOD HAVEN ESTATES (TX0610037)

^R Public water system meets the definition of a rural political subdivision as defined in [Texas Water Code 15.001\(14\)](#).

** Current records show that the public water system did not submit a water use survey response in 2023.

Status of Water Systems and Supply

This section highlights potentially vulnerable water systems in Denton 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.

- Aubrey
- Black Rock WSC
- Mountain Springs WSC*
- Pilot Point
- Ponder
- Roanoke
- Westlake*

* Water user group is split by more than one county.

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 emergency response options identified for entities in Denton County, see [Chapter 7](#) 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, the following public water systems in Denton County reported to TCEQ as having approximately 180 days or less of water supply remaining:

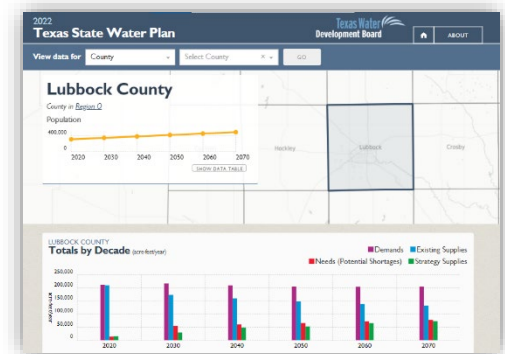
- Bolivar WSC (TX0610049)
- Mustang SUD (TX0610036)

Key TWDB Resources for Water Planning & Drought

Interactive State Water Plan

The online [Interactive State Water Plan](https://texasstatewaterplan.org/) 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.

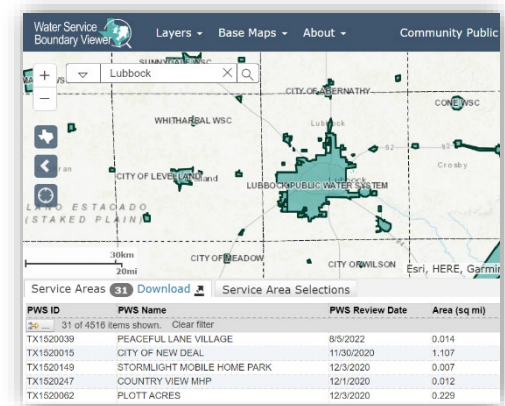
To explore detailed planning data for Denton County in the Interactive State Water Plan, visit <https://texasstatewaterplan.org/>.



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.



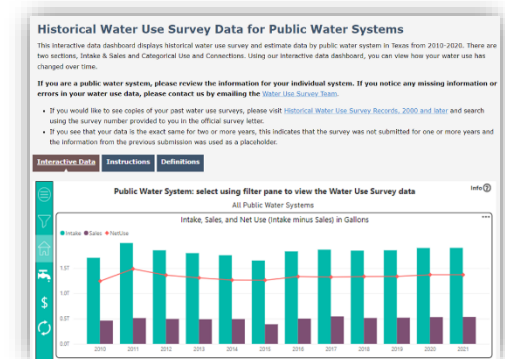
Water systems are encouraged to use the application to verify that their service area boundaries on file are accurate and update them if changes have occurred. Information for editors (utilities) is available at: <http://bit.ly/ServiceBoundaryEditor>.

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

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: <https://www.twdb.texas.gov/waterplanning/waterusesurvey/estimates>



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 [Water Loss Audit](#). 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 [trained](#) 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 <https://www.twdb.texas.gov/conservation/municipal/waterloss/>.

TWDB Drought Resources

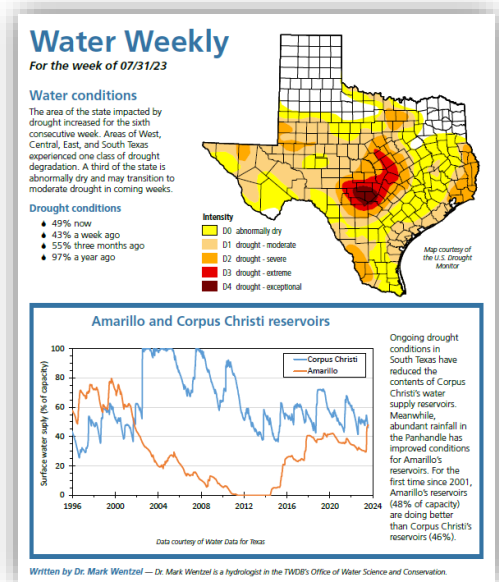
The TWDB offers a variety of resources to assist Texans with drought response and preparedness on the [TWDB Drought Resources webpage](#), including

[Water Data for Texas](#): 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.

[Drought Dashboard](#): 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.

[Texas Water Conditions Report](#): 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. [Urgent need funding is available through the Drinking Water State Revolving Fund](#) to assist communities with addressing unforeseen situations that require immediate attention to protect public health and safety.

For more information about TWDB financial assistance programs, visit <http://www.twdb.texas.gov/financial/>, or contact TWDB at 512-463-0991, Financial_Assistance@twdb.texas.gov.

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: <https://www.tceq.texas.gov/response/drought>.

In the event of a drinking water emergency, contact your [TCEQ regional office](#). For after-hours emergencies, call 1-888-777-3186.

Attachment I – 2021 Region C Regional Water Plan Summary Tables

Table A1. Denton County planning summary

Water User Group	Current Water Supply Sources	2020 Water Need (acre-feet/year)	2070 Water Need (acre-feet/year)	Recommended Water Management Strategies
Argyle WSC	Chapman/Cooper Lake/Reservoir Non-System Portion; Indirect Reuse; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System; Trinity Aquifer	0	2,141	Groundwater wells and other; Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Aubrey	Trinity Aquifer	0	853	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Black Rock WSC	Trinity Aquifer	0	200	Groundwater wells and other; Municipal conservation
Bolivar WSC*	Trinity Aquifer	0	998	Groundwater wells and other; Indirect reuse; Municipal conservation; New major reservoir; Other strategies; Other surface water
Carrollton*	Fork Lake/Reservoir; Indirect Reuse; Ray Hubbard Lake/Reservoir; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System; Tawakoni Lake/Reservoir; Trinity Aquifer	951	7,063	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Celina*	Chapman/Cooper Lake/Reservoir Non-System Portion; Indirect Reuse; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System	0	32,127	Indirect reuse; Municipal conservation; New major reservoir; Other strategies; Other surface water
Coppell*	Fork Lake/Reservoir; Indirect Reuse; Ray Hubbard Lake/Reservoir; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System; Tawakoni Lake/Reservoir	447	3,335	Indirect reuse; Municipal conservation; New major reservoir; Other surface water

Water User Group	Current Water Supply Sources	2020 Water Need (acre-feet/year)	2070 Water Need (acre-feet/year)	Recommended Water Management Strategies
Corinth	Chapman/Cooper Lake/Reservoir Non-System Portion; Indirect Reuse; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System	0	3,051	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
County-Other, Denton	Chapman/Cooper Lake/Reservoir Non-System Portion; Indirect Reuse; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System; Trinity Aquifer; Woodbine Aquifer	0	7,524	Groundwater wells and other; Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Cross Timbers WSC	Chapman/Cooper Lake/Reservoir Non-System Portion; Indirect Reuse; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System; Trinity Aquifer	0	1,099	Groundwater wells and other; Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Dallas*	Fork Lake/Reservoir; Indirect Reuse; Ray Hubbard Lake/Reservoir; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System; Tawakoni Lake/Reservoir	11,065	121,355	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Denton	Indirect Reuse; Lewisville Lake/Reservoir Non-System Portion; Ray Roberts Lake/Reservoir Non-System Portion	0	72,323	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Denton County FWSD 10	Chapman/Cooper Lake/Reservoir Non-System Portion; Indirect Reuse; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System	0	2,279	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Denton County FWSD I-A	Chapman/Cooper Lake/Reservoir Non-System Portion; Indirect Reuse; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System	49	4,185	Indirect reuse; Municipal conservation; New major reservoir; Other surface water

Water User Group	Current Water Supply Sources	2020 Water Need (acre-feet/year)	2070 Water Need (acre-feet/year)	Recommended Water Management Strategies
Denton County FWSD 7	Chapman/Cooper Lake/Reservoir Non-System Portion; Indirect Reuse; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System	0	2,101	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Flower Mound*	Chapman/Cooper Lake/Reservoir Non-System Portion; Fork Lake/Reservoir; Indirect Reuse; Ray Hubbard Lake/Reservoir; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System; Tawakoni Lake/Reservoir	791	12,446	Indirect reuse; Municipal conservation; New major reservoir; Other direct reuse; Other surface water
Fort Worth*	Indirect Reuse; TRWD Lake/Reservoir System	6,138	185,311	Aquifer storage and recovery; Groundwater wells and other; Indirect reuse; Municipal conservation; New major reservoir; Other direct reuse; Other surface water
Frisco*	Direct Reuse; Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir; Trinity Aquifer; Woodbine Aquifer	423	37,432	Indirect reuse; Municipal conservation; New major reservoir; Other direct reuse; Other surface water
Hackberry	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	3	553	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Highland Village	Chapman/Cooper Lake/Reservoir Non-System Portion; Indirect Reuse; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System; Trinity Aquifer	0	1,322	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Irrigation, Denton	Direct Reuse; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System; Trinity Aquifer; Woodbine Aquifer	0	0	Indirect reuse; New major reservoir; Other direct reuse; Other surface water

Water User Group	Current Water Supply Sources	2020 Water Need (acre-feet/year)	2070 Water Need (acre-feet/year)	Recommended Water Management Strategies
Justin	Chapman/Cooper Lake/Reservoir Non-System Portion; Indirect Reuse; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System; Trinity Aquifer	244	963	Groundwater wells and other; Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Krum	Chapman/Cooper Lake/Reservoir Non-System Portion; Indirect Reuse; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System; Trinity Aquifer	202	1,647	Groundwater wells and other; Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Lake Cities Municipal Utility Authority	Chapman/Cooper Lake/Reservoir Non-System Portion; Indirect Reuse; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System	0	1,827	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Lewisville*	Ray Roberts-Lewisville-Grapevine Lake/Reservoir System	809	12,044	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Little Elm	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	28	1,880	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Livestock, Denton	Trinity Aquifer; Trinity Livestock Local Supply; Woodbine Aquifer	0	0	None

Water User Group	Current Water Supply Sources	2020 Water Need (acre-feet/year)	2070 Water Need (acre-feet/year)	Recommended Water Management Strategies
Manufacturing, Denton	Chapman/Cooper Lake/Reservoir Non-System Portion; Fork Lake/Reservoir; Indirect Reuse; Lewisville Lake/Reservoir Non-System Portion; North Texas MWD Lake/Reservoir System; Ray Hubbard Lake/Reservoir; Ray Roberts Lake/Reservoir Non-System Portion; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System; Tawakoni Lake/Reservoir; TRWD Lake/Reservoir System	1	289	Aquifer storage and recovery; Groundwater wells and other; Indirect reuse; New major reservoir; Other surface water
Mining, Denton	Chapman/Cooper Lake/Reservoir Non-System Portion; Indirect Reuse; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System; Trinity Aquifer; Trinity Other Local Supply	0	1,513	Indirect reuse; New major reservoir; Other surface water
Mountain Springs WSC*	Trinity Aquifer	0	774	Municipal conservation; Other strategies; Other surface water
Mustang SUD*	Chapman/Cooper Lake/Reservoir Non-System Portion; Indirect Reuse; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System; Trinity Aquifer; Woodbine Aquifer	0	13,427	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Northlake	Chapman/Cooper Lake/Reservoir Non-System Portion; Indirect Reuse; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System; TRWD Lake/Reservoir System; Woodbine Aquifer	0	5,938	Aquifer storage and recovery; Groundwater wells and other; Indirect reuse; Municipal conservation; New major reservoir; Other surface water

Water User Group	Current Water Supply Sources	2020 Water Need (acre-feet/year)	2070 Water Need (acre-feet/year)	Recommended Water Management Strategies
Paloma Creek North	Chapman/Cooper Lake/Reservoir Non-System Portion; Indirect Reuse; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System	0	1,421	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Paloma Creek South	Chapman/Cooper Lake/Reservoir Non-System Portion; Indirect Reuse; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System	0	720	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Pilot Point	Trinity Aquifer	320	2,956	Groundwater wells and other; Indirect reuse; Municipal conservation; New major reservoir; Other strategies; Other surface water
Plano*	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	398	31,093	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Ponder	Trinity Aquifer	3	967	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Prosper*	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	39	7,336	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Providence Village WCID	Chapman/Cooper Lake/Reservoir Non-System Portion; Indirect Reuse; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System	0	572	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Roanoke	TRWD Lake/Reservoir System	0	1,332	Aquifer storage and recovery; Groundwater wells and other; Indirect reuse; Municipal conservation; New major reservoir; Other direct reuse; Other surface water

Water User Group	Current Water Supply Sources	2020 Water Need (acre-feet/year)	2070 Water Need (acre-feet/year)	Recommended Water Management Strategies
Sanger	Chapman/Cooper Lake/Reservoir Non-System Portion; Indirect Reuse; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System; Trinity Aquifer	0	1,259	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Southlake*	TRWD Lake/Reservoir System	0	8,607	Aquifer storage and recovery; Groundwater wells and other; Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Steam-Electric Power, Denton	Direct Reuse	0	0	Indirect reuse; New major reservoir; Other surface water
The Colony	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Ray Hubbard Lake/Reservoir; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System; Tawakoni Lake/Reservoir; Trinity Aquifer	241	2,915	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Trophy Club MUD 1	Trinity Aquifer; TRWD Lake/Reservoir System	0	1,693	Aquifer storage and recovery; Groundwater wells and other; Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Westlake*	TRWD Lake/Reservoir System	0	3,563	Aquifer storage and recovery; Groundwater wells and other; Indirect reuse; Municipal conservation; New major reservoir; Other direct reuse; Other surface water

* 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. Denton County projected needs of every water user group, as a share of total demand (percent)

Water User Group	2020	2030	2040	2050	2060	2070
Argyle WSC	-	23	34	40	45	50
Aubrey	-	21	32	42	52	60
Black Rock WSC	-	-	-	7	21	30
Bolivar WSC*	-	-	11	23	35	44
Carrollton*	4	9	17	24	27	30
Celina*	-	30	54	70	75	78
Coppell*	4	9	17	24	27	30
Corinth	-	30	43	50	56	62
County-Other, Denton	-	-	-	21	42	55
Cross Timbers WSC	-	22	33	40	46	51
Dallas*	4	9	17	24	27	30
Denton	-	19	35	52	67	73
Denton County FWSD 10	-	30	43	50	56	62
Denton County FWSD I-A	1	24	36	44	50	54
Denton County FWSD 7	-	30	43	50	56	62
Flower Mound*	4	26	37	44	50	54
Fort Worth*	3	21	34	41	45	50
Frisco*	1	16	22	30	37	42
Hackberry	1	15	22	29	36	42
Highland Village	-	17	24	27	30	34
Irrigation, Denton	-	-	-	-	-	-
Justin	34	35	42	46	50	54
Krum	18	27	36	44	50	56
Lake Cities Municipal Utility Authority	-	30	43	50	56	62
Lewisville*	4	12	23	31	38	38
Little Elm	1	17	23	30	36	42
Livestock, Denton	-	-	-	-	-	-
Manufacturing, Denton	-	19	33	48	59	66
Mining, Denton	-	-	-	4	14	24
Mountain Springs WSC*	-	-	-	-	36	60
Mustang SUD*	-	23	35	44	50	56
Northlake	-	24	35	43	49	54
Paloma Creek North	-	30	43	50	56	62
Paloma Creek South	-	30	43	50	56	62
Pilot Point	36	47	61	71	78	84
Plano*	1	16	22	29	36	42
Ponder	1	27	44	56	65	72

Water User Group	2020	2030	2040	2050	2060	2070
Prosper*	1	20	37	49	57	57
Providence Village WCID	-	30	43	50	56	62
Roanoke	-	13	24	30	35	40
Sanger	-	8	18	27	35	44
Southlake*	-	12	22	29	35	40
Steam-Electric Power, Denton	-	-	-	-	-	-
The Colony	3	9	16	23	27	30
Trophy Club MUD I	-	11	19	26	31	35
Westlake*	-	12	25	33	36	40

* 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. Denton 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.



Texas Water Development Board
 1700 North Congress Avenue,
 Austin, Texas 78701
 512-463-7847
www.twdb.texas.gov