Innovative approaches
Practical results
Outstanding service

REGION C TECHNICAL MEMORANDUM

Prepared for:

Texas Water Development Board

On behalf of the Region C Water Planning Group

September 10, 2018

Prepared by:

FREESE AND NICHOLS, INC.
4055 International Plaza, Suite 200
Fort Worth, Texas 76109
817-735-7300

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EXECUTIVE SUMMARY

This Technical Memorandum discusses population and water demand projections, water availability, existing water supplies, and identified potentially feasible water management strategies in Region C for the fifth cycle of regional water plan development. Included in this report are the required TWDB DB22 reports (nine) along with the additional information required for the Technical Memorandum submittal as set forth in Section 13.1.1 of TWDB's *Second Amended Exhibit C (General Guidelines for Fifth Cycle of the Regional Water Plan Development)* dated April 2018.

A draft version of this Tech Memorandum was publicly posted on August 6, 2018 along with information regarding how and where the public could submit comments. A public meeting was held on August 20, 2018, at which time the Region C Water Planning Group approved the memorandum allowing minor changes to be made prior to submittal to TWDB if needed. Public comments were solicited for two weeks after the meeting, closing on September 3, 2018. This Technical Memorandum is being submitted to TWDB prior to the September 10, 2018 deadline.

The information in this Technical Memorandum represents a "snapshot" of the existing supplies as they are understood at the time of submittal. Information will continue to be gathered throughout the course of the remainder of the planning cycle which may cause minor adjustments to be made to the existing supplies and allocations, affecting needs and strategies.

1.0 TWDB DB22 REPORTS

All required DB22 reports are located in **Appendix A** of this document.

1.1 POPULATION PROJECTION AND WATER DEMAND

In early 2017, TWDB released their draft population and demand projections for all regions. Each Regional Planning Group was given the ability to make limited adjustments to the projections. The Region C Water Planning Group (RCWPG) made adjustments to the projections which were reviewed by TWDB staff prior to approval by the RCWPG. At the December 18, 2017 RCWPG Meeting the RCWPG approved these updated population and demand projections. Region C then submitted the projections to TWDB prior to the January 2018 deadline. TWDB approved the projections in April 2018.

Appendix A contains three database reports related to population and demand. The reports are:

- **TWDB DB22 Report #1 - WUG Population Projections**
- **TWDB DB22 Report #2 - WUG Water Demand Projections**
- **TWDB DB22 Report #3 - WUG Category Summary.**

Additional summary tables are below. **Table 1-1** shows the population projections by county, and **Figure 1-1** is a comparison of population projections from the 2016 Region C Plan and the 2021 Region C Plan. **Table 1-2** shows the total demands for the Region by county (including both municipal and non-municipal demand). **Table 1-3** shows the total demands for the Region by use category, and **Figure 1-2** is a comparison of demands from the 2016 Region C Plan and the 2021 Region C Plan.

Table 1-1: Adopted Population Projections for Region C by County

County	2020	2030	2040	2050	2060	2070
Collin	1,050,506	1,239,302	1,497,921	1,807,279	2,093,719	2,373,092
Cooke	40,903	44,035	46,984	52,427	62,905	95,351
Dallas	2,587,960	2,871,662	3,180,529	3,429,783	3,627,334	3,770,858
Denton	891,063	1,115,119	1,329,551	1,584,015	1,866,215	2,113,136
Ellis	191,638	241,778	280,745	360,584	479,939	670,845
Fannin	38,330	43,084	52,891	69,328	101,706	137,732
Freestone	20,437	21,077	22,947	31,142	44,475	73,287
Grayson	135,311	149,527	159,610	178,907	242,865	337,120
Henderson*	67,579	72,592	78,504	85,901	110,493	141,881
Jack	9,751	10,409	10,817	11,033	11,190	11,291
Kaufman	146,389	195,107	242,354	306,833	423,277	566,840
Navarro	52,505	59,556	65,958	74,213	83,221	99,056
Parker	201,491	260,194	276,979	360,125	472,097	593,000
Rockwall	119,410	160,315	213,619	246,938	291,850	325,052
Tarrant	2,004,609	2,279,113	2,580,325	2,799,127	2,978,034	3,167,377
Wise	79,882	95,086	110,343	135,797	162,282	208,872
Region C Total	**7,637,764**	**8,857,956**	**10,150,077**	**11,533,432**	**13,051,602**	**14,684,790**

*Projections for Henderson County only include the portion of Henderson County located within Region C.

Figure 1-1: Comparison of Region C Population Projections from 2016 Plan and 2021 Plan

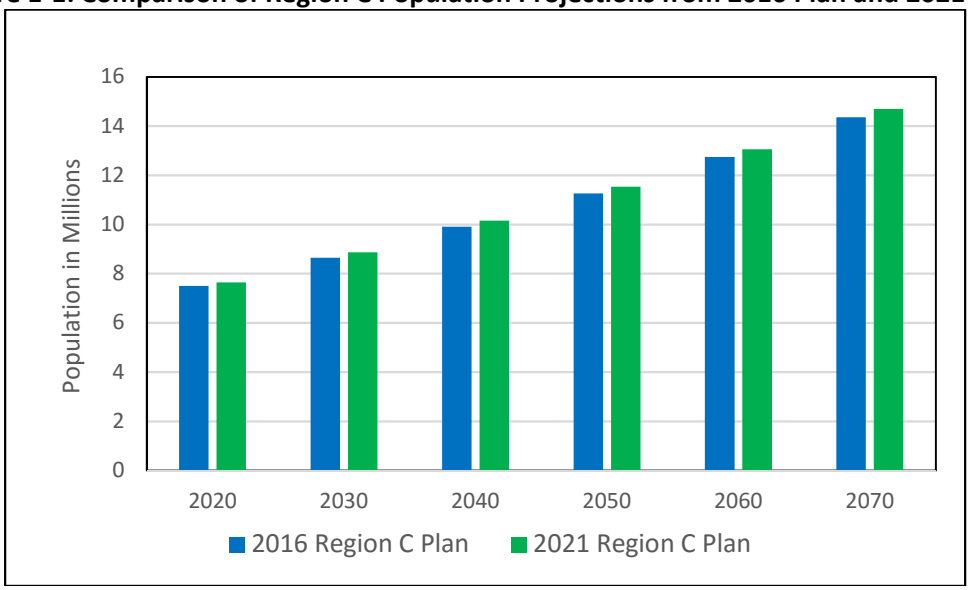


Table 1-2: Adopted Total Dry-Year Water Demand Projections for Region C by County (Including Both Municipal and Non-Municipal Demands)

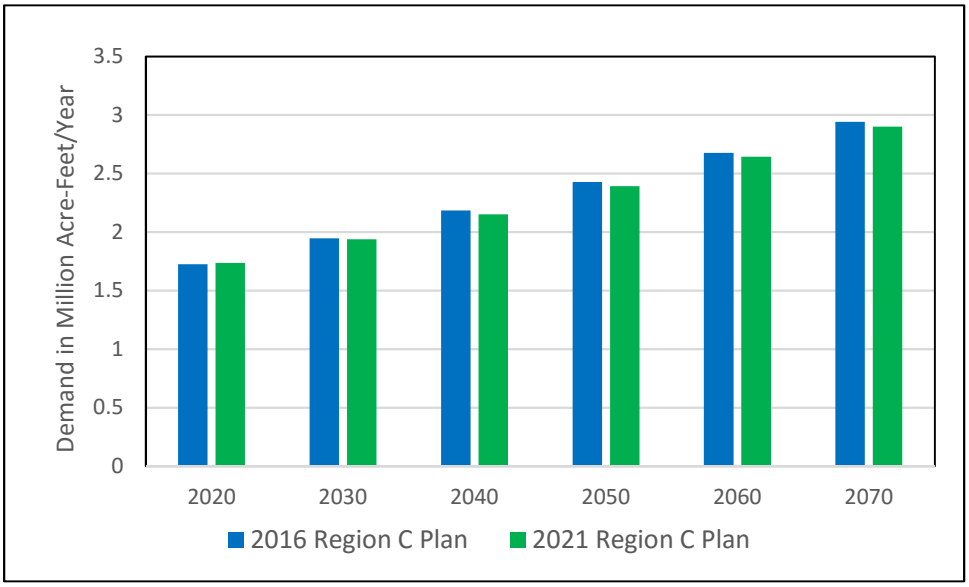
County	Demand in Acre-Feet/Year					
	2020	2030	2040	2050	2060	2070
Collin	242,505	273,778	316,053	373,126	424,158	468,710
Cooke	10,226	9,797	9,515	10,180	11,610	15,837
Dallas	563,223	606,936	657,666	701,225	737,409	761,162
Denton	183,755	222,033	260,976	305,248	353,543	393,966
Ellis	45,341	54,859	60,713	73,196	90,964	119,473
Fannin	18,708	19,045	20,125	22,330	26,203	30,487
Freestone	44,552	44,322	44,683	45,961	47,574	50,948
Grayson	39,192	41,009	41,881	44,867	55,068	72,258
Henderson*	14,326	15,058	15,595	16,488	20,224	24,847
Jack	9,279	7,744	7,640	7,681	7,733	7,839
Kaufman	32,432	39,103	45,389	53,921	68,234	85,866
Navarro	13,027	14,103	14,987	16,436	18,002	20,374
Parker	38,281	48,850	51,306	62,835	78,038	94,520
Rockwall	23,030	30,792	40,797	45,577	52,291	57,606
Tarrant	427,050	476,807	528,442	569,340	602,456	637,649
Wise	28,966	32,369	36,157	42,212	47,969	56,998
Region C Total	1,733,893	1,936,605	2,151,925	2,390,623	2,641,476	2,898,540

*Projections for Henderson County only include the portion of Henderson County located within Region C.

Table 1-3: Adopted Total Dry-Year Water Demand Projections for Region C by Category

Category	Demand in Acre-Feet/Year					
	2020	2030	2020	2050	2020	2070
Municipal	1,514,655	1,717,286	1,937,279	2,173,153	2,421,186	2,673,829
Manufacturing	48,382	52,930	52,930	52,930	52,930	52,930
Steam Electric	62,932	66,723	66,723	66,723	66,723	66,723
Irrigation	43,910	43,910	43,910	43,910	43,910	43,910
Mining	46,467	38,209	33,536	36,360	39,180	43,601
Livestock	17,547	17,547	17,547	17,547	17,547	17,547
Region C Total	1,733,893	1,936,605	2,151,925	2,390,623	2,641,476	2,898,540

Figure 1-2: Comparison of Region C Demand Projections from 2016 Plan and 2021 Plan



1.2 SOURCE WATER AVAILABILITY

Under the Texas Water Development Board (TWDB) regional water planning guidelines, each region is to identify available water supplies to the region by source and user. The supplies available by source are based on the supply available during drought of record conditions. For surface water reservoirs, this is generally the equivalent of firm yield supply or permitted amount (whichever is lower). Several providers in Region C have chosen to use safe yields (which is less than the firm yield and leaves a reserve at the end of the drought of record) as the available supply. For run-of-the-river supplies, the firm yield is the minimum supply available in a year over the historical record. Available groundwater supplies are defined by county and aquifer. Generally, groundwater supply is the supply available with acceptable long-term impacts to water levels. Modeled Available Groundwater (MAG) values have been developed by the TWDB to define the long-term available groundwater supply. MAG values were not available for "other aquifer" and the Nacatoch Aquifer. These supply amounts are the same as those used in the 2016 Region C Plan and were based on historical pumping data obtained from the TWDB. Available Reuse supplies are determined by the reuse projects currently permitted and the estimated available return flow to supply those projects.

Table 1-4 shows the overall water supply source availability in Region C. **TWDB Report #4 – Source Water Availability** is included in **Appendix A**. It should be noted that these supplies have not been limited by the current infrastructure that treats and delivers the water. The amount of supply available when considering infrastructure limitations is referred to as "Existing Water Supplies" and is discussed further in **Section 1.3**

of this report. Please note that **TWDB Report #4 – Source Water Availability** differs slightly from **Table 1-4** and **Table 1-5** because Report #4 only includes sources located in Region C and does not include Imports. In addition, **Table 1-4** and **Table 1-5** show firm yield (or safe yield as appropriate) and have not limited the supply to the permit amount show in DB22. Also, both Lake North and Valley Lake have not been included in DB22 because these sources are not utilized to meet any demand.

Table 1-4: Overall Water Supply Source Availability in Region C (Acre-Feet per Year)

Summary	2020	2030	2040	2050	2060	2070
Reservoirs & Reservoir Systems in Region C	1,269,040	1,249,558	1,229,730	1,209,599	1,189,327	1,169,027
Run-of River Irrigation	8,735	8,735	8,735	8,735	8,735	8,735
Other Run-of-River and Local Supply	21,244	21,244	21,244	21,244	21,244	21,244
Surface Water and Groundwater Imports[a]	560,380	510,629	500,630	490,629	481,248	471,164
Groundwater	161,948	161,800	162,386	162,100	162,548	162,150
Reuse	342,485	362,654	385,242	399,225	413,467	423,166
REGION C TOTAL	2,363,832	2,314,620	2,307,967	2,291,532	2,276,569	2,255,486

[a] Groundwater Imports are associated with WUGs that are in multiple regions and are supplied by another region. These imports represent less than 500 acre-feet/year.

1.2.1 Surface Water

Surface water in Region C is comprised of reservoirs, reservoir systems, and local supplies. Local supplies include run-or-river supplies associated with water rights and are used for municipal, manufacturing, mining, and power generation. Local supplies also include small unpermitted water supplies such as ponds used for livestock or irrigation purposes. Surface water availability for reservoirs and run-of-river supplies was based on results of the TCEQ-approved Water Availability Models (WAMs). The surface water supplies from reservoirs available to Region C, including imports from other regions, are shown in **Table** 1-5. For the providers in Region C that have chosen to use safe yields, rather than firm yields, as the available supply, both the firm and safe yields for their supplies have been listed in **Table 1-6.** The supplies available from run-of river water rights and local supplies are presented in Table 1-7**.**

Table 1-5: Reservoir Surface Water Supplies Available to Region C (Not limited by infrastructure)

Source	Basin	Yields in Acre-Feet/Year					
		2020	2030	2040	2050	2060	2070
Systems in Region C							
Lost Creek/Jacksboro System	Trinity	1,597	1,597	1,597	1,597	1,597	1,597

Source	Basin	Yields in Acre-Feet/Year					
		2020	2030	2040	2050	2060	2070
West Fork (includes Bridgeport Local) [a]	Trinity	94,192	92,458	90,725	88,992	87,258	85,525
Elm Fork/Lewisville/Ray Roberts (Dallas) [a]	Trinity	172,975	165,580	158,185	150,791	143,396	136,001
Grapevine - Dallas	Trinity	7,367	7,367	7,367	7,142	6,896	6,650
Subtotal of Systems in Region C		**276,131**	**267,002**	**257,874**	**248,522**	**239,147**	**229,773**
Reservoirs in Region C							
Cedar Creek [a]	Trinity	158,891	157,192	155,494	153,796	152,098	150,400
Richland-Chambers (TRWD) [a]	Trinity	185,230	180,984	176,738	172,492	168,246	164,000
Richland-Chambers (Corsicana)	Trinity	13,863	13,855	13,847	13,838	13,830	13,822
Moss	Red	7,410	7,410	7,410	7,410	7,410	7,410
Lake Texoma (Texas' Share - NTMWD)	Red	197,000	197,000	197,000	197,000	197,000	197,000
Lake Texoma (Texas' Share - GTUA)	Red	83,200	83,200	83,200	83,200	83,200	83,200
Lake Texoma (Texas' Share - Denison)	Red	24,400	24,400	24,400	24,400	24,400	24,400
Lake Texoma (Texas' Share - TXU)	Red	16,400	16,400	16,400	16,400	16,400	16,400
Lake Texoma (Texas' Share - RRA)	Red	2,250	2,250	2,250	2,250	2,250	2,250
Randell	Red	1,400	1,400	1,400	1,400	1,400	1,400
Valley	Red	0	0	0	0	0	0
Bonham	Red	5,340	5,340	5,340	5,340	5,340	5,340
Ray Roberts (Denton)	Trinity	18,902	18,853	18,676	18,500	18,324	18,148
Lewisville (Denton)	Trinity	7,817	7,817	7,817	7,817	7,698	7,550
Benbrook [a]	Trinity	5,391	5,387	5,383	5,378	5,374	5,370
Weatherford	Trinity	2,923	2,880	2,837	2,793	2,750	2,707
Grapevine (PCMUD)	Trinity	16,900	16,900	16,808	16,639	16,469	16,300
Grapevine (Grapevine)	Trinity	1,919	1,886	1,852	1,818	1,784	1,750
Arlington [a]	Trinity	7,640	7,530	7,420	7,310	7,200	7,090
Joe Pool	Trinity	14,883	14,575	14,267	13,958	13,650	13,342
Mountain Creek	Trinity	6,400	6,400	6,400	6,400	6,400	6,400
North	Trinity	0	0	0	0	0	0
Lake Ray Hubbard (Dallas)	Trinity	55,730	54,828	53,926	53,024	52,122	51,220
White Rock	Trinity	3,200	3,200	3,200	3,200	3,200	3,200
Terrell	Trinity	2,267	2,250	2,233	2,217	2,200	2,183
Clark	Trinity	210	210	210	210	210	210
Bardwell	Trinity	9,600	9,295	8,863	8,432	8,000	7,568
Waxahachie	Trinity	2,800	2,695	2,590	2,485	2,380	2,275
Forest Grove	Trinity	8,653	8,590	8,527	8,463	8,400	8,337
Trinidad City Lake	Trinity	450	450	450	450	450	450

Source	Basin	Yields in Acre-Feet/Year					
		2020	2030	2040	2050	2060	2070
Trinidad	Trinity	3,050	3,050	3,050	3,050	3,050	3,050
Navarro Mills	Trinity	18,333	17,325	16,317	15,308	14,300	13,292
Halbert	Trinity	0	0	0	0	0	0
Fairfield	Trinity	870	870	870	870	870	870
Bryson	Brazos	0	0	0	0	0	0
Mineral Wells	Brazos	2,495	2,483	2,470	2,458	2,445	2,433
Teague City Lake	Brazos	189	189	189	189	189	189
Lake Lavon	Trinity	106,603	105,163	103,722	102,281	100,841	99,400
Muenster	Red	300	300	300	300	300	300
Chapman (NTMWD)[(b)]	Sulphur	42,768	42,525	42,282	42,039	41,796	41,553
Subtotal of Reservoirs in Region C		**1,035,677**	**1,025,081**	**1,014,138**	**1,003,117**	**991,976**	**980,807**
Imports							
Chapman (Irving)	Sulphur	40,369	40,140	39,911	39,681	39,452	39,223
Chapman (Upper Trinity MWD)	Sulphur	12,036	11,968	11,900	11,831	11,763	11,694
Tawakoni (Dallas)	Sabine	174,080	169,120	164,160	159,200	154,240	149,280
Fork (Dallas)	Sabine	120,028	116,180	112,332	108,484	104,636	100,788
Upper Sabine (NTMWD)	Sabine	50,707	10,629	10,550	10,472	10,394	10,315
Palestine (Dallas)	Neches	94,938	94,169	93,449	92,681	91,864	90,760
Lake Livingston	Trinity	20,000	20,000	20,000	20,000	20,000	20,000
Lake Aquilla	Brazos	366	448	503	569	631	660
Lake Granbury	Brazos	695	687	677	664	651	636
Lake Athens (Athens)	Neches	2,030	2,392	2,514	2,676	3,551	4,017
Vulcan Materials (from BRA-Possum Kingdom)	Brazos	1,000	1,000	1,000	1,000	1,000	1,000
Parker County (from Lake Palo Pinto)	Brazos	974	966	959	952	948	943
Subtotal of Imports		517,222	467,699	457,955	448,210	439,130	429,316
TOTAL		**1,829,030**	**1,759,781**	**1,729,967**	**1,699,848**	**1,670,253**	**1,639,897**

[(a)] amounts reported are safe yields; [(b)] Although this Reservoir is physically located in another region, this source has been combined with other NTWMD supplies into a system in DB22 and is now included in the DB22 reports for Region C sources.

Table 1-6: Firm Yield and Safe Yield for Supplies Using Safe Yield as Source Availability

Source	Water Provider	Firm Yield in Acre-Feet/Year		Safe Yield in Acre-Feet/Year	
		2020	2070	2020	2070
West Fork (includes Bridgeport Local)	TRWD	115,908	102,825	94,192	85,525
Elm Fork/Lewisville/ Ray Roberts (Dallas)	DWU	192,596	185,378	172,975	136,001
Cedar Creek Reservoir	TRWD	204,587	202,700	158,891	150,400
Richland-Chambers (TRWD)	TRWD	221,565	207,201	185,230	164,000
Lake Benbrook	TRWD	6,740	6,671	5,391	5,370
Lake Arlington	TRWD	9,700	8,950	7,640	7,090

Table 1-7: Run-of-River and Local Supplies Available to Region C

County	Run-of-the-River Supply (Acre-Feet per Year)					Other Local Supply (Acre-Feet per Year)	
	Irrigation	Manuf.	Mun.	Mining	SEP	Livestock	Other
Collin	408	-	-	-	-	1,002	-
Cooke	-	-	-	-	-	1,187	-
Dallas	791	-	-	-	368	198	1,525
Denton	-	-	-	-	-	622	1,366
Ellis	3	-	-	-	-	1,112	-
Fannin	4,613	-	49	72	-	1,306	-
Freestone	87	-	41	-	-	1,043	120
Grayson	1,091	30	-	-	-	1,075	-
Henderson	415	-	-	-	-	341	-
Jack	110	-	-	-	-	802	370
Kaufman	64	-	-	-	-	1,622	86
Navarro	226	-	252	-	-	1,603	-
Parker	239	-	-	-	-	1,922	20
Rockwall	-	-	-	-	-	117	-
Tarrant	549	-	-	-	959	442	342
Wise	139	-	-	133	-	1,117	-
TOTAL	**8,735**	**30**	**342**	**205**	**1,327**	**15,511**	**3,829**

1.2.2 Groundwater

Groundwater supplies in Region C are obtained from the following;

- Two major aquifers (Carrizo-Wilcox and Trinity),

- Four minor aquifers (Woodbine, Nacatoch, newly designated Cross Timbers, Queen City), and
- Locally undifferentiated formations, referred to as "other aquifers."

As required by regional planning rules, Modeled Available Groundwater (MAG) estimates provided by the TWDB were used to determine groundwater availability. For Region C, TWDB provided estimates for the Carrizo-Wilcox, Trinity, Woodbine and Queen City aquifers. Groundwater Management Area 8 (GMA 8) and GMA 11 deemed the Nacatoch aquifer "non-relevant", and new water availability estimates for this aquifer were not included in the MAGs developed by TWDB. Therefore, availability for this aquifer was assumed to be the same as the amounts used in the *2016 Region C Water Plan.* The groundwater supplies available in Region C are shown in **Table 1-8.**

There are several locally undifferentiated formations in Region C, referred to as "other aquifer." Other aquifer supplies are used in Fannin and Navarro counties in Region C. Available supplies from these undifferentiated formations are not included in the MAG numbers. Other aquifer available supply amounts are based on historical use. The Cross Timbers aquifer was designated as a new minor aquifer in 2017. No desired future conditions have been established by the groundwater conservation district for this aquifer, therefore no MAG amounts are available. For this reason, the availability from this aquifer is assumed to be the "other aquifer" availability used in the 2016 Region C Water Plan for the areas where "other aquifer" overlaps the newly designated Cross Timbers aquifer.

Table 1-8: Groundwater Supplies Available in Region C

County	Aquifer	Basin	Managed Available Groundwater (Acre-Feet/Year)					
			2020	2030	2040	2050	2060	2070
Collin	Trinity	Trinity	5,807	5,792	5,807	5,792	5,807	5,792
Collin	Woodbine	Trinity	4,263	4,251	4,263	4,251	4,263	4,251
Collin total			**10,070**	**10,043**	**10,070**	**10,043**	**10,070**	**10,043**
Cooke	Trinity	Red	2,191	2,184	2,191	2,184	2,191	2,184
Cooke	Trinity	Trinity	8,353	8,330	8,353	8,330	8,353	8,330
Cooke	Woodbine	Red	262	261	262	261	262	261
Cooke	Woodbine	Trinity	540	538	540	538	540	538
Cooke total			**11,346**	**11,313**	**11,346**	**11,313**	**11,346**	**11,313**
Dallas	Trinity	Trinity	3,699	3,688	3,699	3,688	3,699	3,688
Dallas	Woodbine	Trinity	2,804	2,796	2,804	2,796	2,804	2,796
Dallas total			**6,503**	**6,484**	**6,503**	**6,484**	**6,503**	**6,484**
Denton	Trinity	Trinity	30,151	30,068	30,151	30,068	30,151	30,068
Denton	Woodbine	Trinity	3,616	3,607	3,616	3,607	3,616	3,607
Denton total			**33,767**	**33,675**	**33,767**	**33,675**	**33,767**	**33,675**
Ellis	Nacatoch	Trinity	20	20	20	20	20	20
Ellis	Trinity	Trinity	5,539	5,524	5,539	5,524	5,539	5,524

County	Aquifer	Basin	Managed Available Groundwater (Acre-Feet/Year)					
			2020	2030	2040	2050	2060	2070
Ellis	Woodbine	Trinity	2,078	2,073	2,078	2,073	2,078	2,073
Ellis total			**7,637**	**7,617**	**7,637**	**7,617**	**7,637**	**7,617**
Fannin	Trinity	Sulphur	2,092	2,087	2,092	2,087	2,092	2,087
Fannin	Woodbine	Red	3,553	3,544	3,553	3,544	3,553	3,544
Fannin	Woodbine	Sulphur	551	550	551	550	551	550
Fannin	Woodbine	Trinity	829	827	829	827	829	827
Fannin	Other	Red	2,919	2,919	2,919	2,919	2,919	2,919
Fannin total			**7,586**	**7,569**	**7,586**	**7,569**	**7,586**	**7,569**
Freestone	Carrizo-Wilcox	Trinity	7,713	7,924	8,122	8,290	8,498	8,498
Freestone	Carrizo-Wilcox	Brazos	1,333	1,343	1,362	1,374	1,400	1,400
Freestone total			**9,046**	**9,267**	**9,484**	**9,664**	**9,898**	**9,898**
Grayson	Trinity	Red	6,678	6,660	6,678	6,660	6,678	6,660
Grayson	Trinity	Trinity	4,059	4,048	4,059	4,048	4,059	4,048
Grayson	Woodbine	Red	5,615	5,599	5,615	5,599	5,615	5,599
Grayson	Woodbine	Trinity	1,926	1,922	1,926	1,922	1,926	1,922
Grayson total			**18,278**	**18,229**	**18,278**	**18,229**	**18,278**	**18,229**
Henderson	Carrizo-Wilcox	Trinity	7,829	7,829	7,829	7,732	7,577	7,548
Henderson	Queen City	Trinity	3,345	3,345	3,345	3,345	3,345	3,345
Henderson total			**11,174**	**11,174**	**11,174**	**11,077**	**10,922**	**10,893**
Jack	Cross Timbers	Brazos	284	284	284	284	284	284
Jack	Cross Timbers	Trinity	650	650	650	650	650	650
JACK TOTAL			**934**	**934**	**934**	**934**	**934**	**934**
Kaufman	Nacatoch	Sabine	49	49	49	49	49	49
Kaufman	Nacatoch	Trinity	877	877	877	877	877	877
Kaufman total			**926**	**926**	**926**	**926**	**926**	**926**
Navarro	Carrizo-Wilcox	Trinity	15	15	15	15	15	15
Navarro	Nacatoch	Trinity	980	980	980	980	980	980
Navarro	Woodbine	Trinity	68	68	68	68	68	68
Navarro	Other	Trinity	435	435	435	435	435	435
Navarro Total			**1,498**	**1,498**	**1,498**	**1,498**	**1,498**	**1,498**
Parker	Trinity	Trinity	9,665	9,637	9,665	9,637	9,665	9,637
Parker	Trinity	Brazos	2,232	2,226	2,232	2,226	2,232	2,226
Parker	Cross Timbers	Brazos	50	50	50	50	50	50
Parker total			**11,947**	**11,913**	**11,947**	**11,913**	**11,947**	**11,913**
Rockwall	Nacatoch	Trinity	13	13	13	13	13	13
Rockwall total			**13**	**13**	**13**	**13**	**13**	**13**
Tarrant	Trinity	Trinity	17,964	17,915	17,964	17,915	17,964	17,915
Tarrant	Woodbine	Trinity	1,141	1,138	1,141	1,138	1,141	1,138
Tarrant total			**19,105**	**19,053**	**19,105**	**19,053**	**19,105**	**19,053**
Wise	Trinity	Trinity	9,760	9,734	9,760	9,734	9,760	9,734
Wise total			**9,760**	**9,734**	**9,760**	**9,734**	**9,760**	**9,734**
Region C total			**161,948**	**161,800**	**162,386**	**162,100**	**162,548**	**162,150**

1.2.3 Reuse

Availability from currently permitted Reuse projects was updated for the 2021 Plan. **Table 1-9** is the summary of availability by County. These values represent multiple projects, each of which is listed individually in the DB22 reports in **Appendix A**.

Table 1-9: Currently Permitted Reuse Supplies Available to Region C

County	Permitted Reuse (Acre-Feet/Year)					
	2020	2030	2040	2050	2060	2070
Collin	50,321	62,324	75,998	76,512	76,512	76,512
Cooke	4	4	4	4	4	4
Dallas	9,732	9,732	9,732	9,732	9,732	9,732
Denton	51,518	52,865	60,882	73,815	88,226	97,907
Ellis	4,398	4,801	5,533	6,048	6,048	6,048
Fannin	0	0	0	0	0	0
Freestone	0	0	0	0	0	0
Grayson	0	0	0	0	0	0
Henderson	2,904	2,904	2,904	2,904	2,904	2,904
Jack	27	26	26	25	25	24
Kaufman	105,853	111,829	111,933	111,954	111,954	111,954
Navarro	100,465	100,465	100,465	100,465	100,465	100,465
Parker	2,370	2,389	2,411	2,427	2,446	2,466
Rockwall	672	672	672	672	672	672
Tarrant	7,961	8,382	8,421	8,406	8,403	8,402
Wise	6,261	6,261	6,261	6,261	6,076	6,076
Total	**342,485**	**362,654**	**385,242**	**399,225**	**413,467**	**423,166**

1.3 EXISTING WATER SUPPLIES

Existing Water Supplies (sometimes referred to as “currently available supplies” or “connected supplies”) are supplies that are limited by water rights, contracts, and facilities that are currently in place (or will be in place by August 2020). The Existing Water Supplies are less than the overall supplies available to the region (Source Water Availability from Section 1.2) because the facilities needed to use some of the source water have not yet been developed. (Common constraints limiting supplies include the availability and capacity of transmission systems, treatment plants, and wells.) **Table 1-10** shows the Existing Water Supplies in Region C by different source types. **Table 1-11** shows the Existing Water Supplies for water user groups by county. **TWDB Report #5 – WUG Existing Water Supplies** is included in **Appendix A**.

Table 1-10: Existing Water Supplies Available to Region C by source (considering limitations)

Summary	Existing Water Supplies (Acre-Feet/Year)					
	2020	2030	2040	2050	2060	2070
Reservoirs & Reservoir Systems in Region C	897,728	836,927	833,162	809,922	786,438	767,246
Run-of River Irrigation	8,735	8,735	8,735	8,735	8,735	8,735
Other Run-of-River and Local Supply	20,992	20,992	20,992	20,992	20,992	20,992
Surface Water and Groundwater Imports	349,171	309,729	307,698	307,678	308,299	305,673
Groundwater	109,839	109,003	108,315	108,759	109,228	109,409
Reuse	304,930	327,951	351,198	378,911	410,561	429,590
REGION C TOTAL	**1,691,395**	**1,613,337**	**1,630,100**	**1,634,997**	**1,644,253**	**1,641,645**

Table 1-11: Existing Water Supplies Available to Region C by County

County	Existing Water Supplies (Acre-Feet/Year)					
	2020	2030	2040	2050	2060	2070
Collin	244,255	224,795	227,070	239,037	247,125	251,942
Cooke	10,037	9,942	9,540	9,785	9,815	9,936
Dallas	547,112	532,751	532,193	532,605	536,365	534,470
Denton	183,390	185,956	188,955	187,887	186,003	179,707
Ellis	41,485	44,290	45,922	50,003	53,498	58,176
Fannin	12,537	13,010	13,658	13,634	13,626	13,636
Freestone	34,366	33,801	33,468	33,267	33,299	33,317
Grayson	39,663	40,399	40,881	42,074	44,243	44,416
Henderson	14,734	15,067	15,136	15,054	15,964	16,603
Jack	9,351	7,465	7,105	6,916	6,793	6,559
Kaufman	32,710	33,838	34,985	37,664	43,120	48,290
Navarro	13,201	14,234	15,069	15,075	14,985	14,954
Parker	37,633	36,938	36,644	37,769	37,328	36,829
Rockwall	23,737	26,073	31,214	32,256	34,395	35,723
Tarrant	419,114	366,338	369,344	352,776	338,502	326,461
Wise	28,070	28,440	28,916	29,195	29,192	30,626
Region C Subtotal	***1,691,395***	***1,613,337***	***1,630,100***	***1,634,997***	***1,644,253***	***1,641,645***
Water to Other Regions	15,829	18,394	19,553	19,736	20,228	21,071
Total	**1,707,224**	**1,631,731**	**1,649,653**	**1,654,733**	**1,664,481**	**1,662,716**

1.4 WUG IDENTIFIED WATER NEEDS/SURPLUSES

For each Water User Group, the Existing Water Supply was compared to the projected demand, resulting in either a need or a surplus for the WUG. **TWDB DB22 Report #6 – WUG Identified Water Needs/Surpluses**, included in **Appendix A**, is a compilation of this information for all WUGs. The identified needs/surpluses are also found on **TWDB DB22 Report #3 - WUG Category Summary,** along with the population and demand projections for each WUG.

1.5 SOURCE WATER BALANCE

TWDB DB22 Report #9 – Source Water Balance, included in **Appendix A**, shows the total use/allocation from each individual source of supply in Region C and the remaining balance of supply after all allocations to WUGs have been made. All balances are zero or greater than zero indicating no sources are over allocated.

1.6 COMPARISON TO 2016 REGIONAL WATER PLAN

Using its online database (DB22), TWDB has developed comparisons of information from this 2021 Regional Water Plan to information from the 2016 Regional Water Plan. The comparisons have been done for each Water User Group and for each supply source. **TWDB DB22 Report #10a – WUG Data Comparison to 2016 RWP** is the comparison for each WUG, and **TWDB DB22 Report #10b – Source Data Comparison to 2016 RWP** is the comparison for each supply source. Both reports are included in **Appendix A**.

2.0 DETERMINING SOURCE AVAILABILITY

2.1 SURFACE WATER

2.1.1 Written Summary of All WAM Models

The Texas Commission on Environmental Quality (TCEQ) developed and maintains Water Availability Models (WAMs) for river basins in Texas. For the 2021 regional plan, Region C consultants utilized TCEQ's Trinity, Red, and Sulphur WAMs. In addition, Region C used results from the Neches and Sabine River WAM model as modified by Region I Planning Group and from the Brazos River WAM model as modified by the Brazos G Planning Group.

As required by TWDB, RUN3 was utilized for each river basin. RUN3 version includes all water rights at full authorization, all applicable permit conditions are met, and no return flows. To more accurately reflect the current conditions and operations in the region, Region C requested hydrologic variances. These requested variances are detailed in Region C's request letter to TWDB dated April 13, 2018. This letter is included in **Appendix B**. TWDB approved Region C's variance request in a letter dated June 21, 2018, also included in **Appendix B**.

2.1.2 Versions and Dates of all WAM Models

The following information is required for the WAM models used to determine Source Water Availability. (More discussion on Source Water Availability is in **Section 1.2** of this report.)

- Names/labeled version (including date) of each model used. This information is in **Table 2-1**.
- Summary of Modifications. This information is included in **Table 2-2**. **Appendix B** contains Region C's letter of request for modifications to the WAM and TWDB's response letter approving the requested modifications.
    - Modification Assumptions
    - Original Unmodified Firm Yield
    - Modified yield used for planning
- Name of entity that performed each model run. This information is included in **Table 2-2.**
- Date of each model run. This information is included in **Table 2-1** and **Table 2-2**.

Table 2-1 : WAM Models Used in Determining Surface Water Availability

WAM Version	Specific Reservoir	Date Used	Run Used	Model Inputs/ Outputs Files Used	Comments
Trinity River WAM	Base Files prior to modification		RUN3	2021RegCBase_TrinCurrent.dat 2021RegCBase_TrinCurrent.out 2021RegCBase_Trin2070.dat 2021RegCBase_Trin2070.out	Current and 2070
	Benbrook	May 2018	RUN3	BenCurrent.dat BenCurrentSY.dat Ben2070.dat Ben2070SY.dat BenCurrent.out BenCurrentSY.out Ben2070.out Ben2070SY.out	Current and 2070 Safe and Firm Yield
	Cedar Creek	May 2018	RUN3	CedarCurrent.dat CedarCurrentSY.dat Cedar2070.dat Cedar2070SY.dat CedarCurrent.out CedarCurrentSY.out Cedar2070.out Cedar2070SY.out	Current and 2070 Safe and Firm Yield
	Elm Fork System	May 2018	RUN3	ElmForkCurrent_step1.dat ElmFork2070_step1.dat ElmForkCurrent_step1.out ElmFork2070_step1.out ElmForkCurrent_step2.dat ElmFork2070_step2.dat ElmForkCurrent_step2.out ElmFork2070_step2.out ElmForkCurrent_step3.dat ElmFork2070_step3.dat ElmForkCurrent_step3.out ElmFork2070_step3.out ElmForkCurrent_step4.dat ElmFork2070_step4.dat ElmForkCurrent_step4.out ElmFork2070_step4.out	Current and 2070 Firm Yield
	Lavon	May 2018	RUN3	LavonCurrent.dat LavonCurrent_467.dat Lavon2070.dat Lavon2070_467.dat LavonCurrent.out LavonCurrent_467.out Lavon2070.out Lavon2070_467.out	Current and 2070 Firm Yield and yield limited to elevation 467 (current pumping capacity)

WAM Version	Specific Reservoir	Date Used	Run Used	Model Inputs/ Outputs Files Used	Comments
	Ray Hubbard	May 2018	RUN3	HubbardCurrent.dat HubbardCurrentSY.dat Hubbard2070.dat HubbardCurrent.out HubbardCurrentSY.out Hubbard2070.out	Current Safe and Firm Yield; 2070 Firm Yield
	Richland-Chambers	May 2018	RUN3	RichCurrent.dat RichCurrentSY.dat Rich2070.dat Rich2070SY.dat RichCurrent.out RichCurrentSY.out Rich2070.out Rich2070SY.out	Current and 2070 Safe and Firm Yield
	West Fork System	May 2018	RUN3	CurrentBportMax.dat CurrentBportMaxSY.dat BportMax2070.dat BportMax2070SY.dat CurrentBportMax.out CurrentBportMaxSY.out BportMax2070.out BportMax2070SY.out	Current and 2070 Safe and Firm Yield
	White Rock	May 2018	RUN3	WRockCurrent.dat WRock2070.dat WRockCurrent.out WRock2070.out	Current and 2070 Firm Yield
Sulphur River WAM	Chapman	May 2018	Spreadsheet Model with Extended Hydrology	Chapman FY.xlsb Chapman FY 2070.xlsb	Current and 2070 Firm Yield
Red River WAM	Moss	Oct 2009	RUN3	red3_moss2000.dat red3_moss2060.dat red3_moss2000.OUT red3_moss2060.OUT	2000 and 2060 Firm Yields. Reported yields limited to permitted amounts.
	Texoma	Oct 2009	RUN3	Texoma1Pool2000.dat Texoma1Pool2060.dat texoma1pool2000.OUT texoma1pool2060.OUT	2000 and 2060 Firm Yields. Reported yields limited to permitted amounts.
	Randell	Oct	RUN3	red3_randal2000.dat	2000 and

WAM Version	Specific Reservoir	Date Used	Run Used	Model Inputs/ Outputs Files Used	Comments
		2009		red3_randal2060.dat red3_randal2000.OUT red3_randal2060.OUT	2060 Firm Yields.
	Valley	Oct 2009	RUN3	red3_valley2000.dat red3_valley2060.dat red3_valley2000.OUT red3_valley2060.OUT	2000 and 2060 Firm Yields.
	Bonham	Oct 2009	RUN3	Red3_2000.dat Red3_2060.dat Red3_2000.OUT red3_2060.OUT	2000 and 2060 Firm Yields.
Sabine River WAM	Fork	June 2018	RUN3	sabine3_2020_ForkFY.dat sabine3_2070_ForkFY.dat sabine3_2020_ForkFY.OUT sabine3_2070_ForkFY.OUT	Current and 2070 Firm Yield
	Tawakoni	June 2018	RUN3	sabine3_2020_TawakoniFY.dat sabine3_2070_TawakoniFY.dat sabine3_2020_TawakoniFY.OUT sabine3_2070_TawakoniFY.OUT	Current and 2070 Firm Yield
Brazos River WAM	Mineral Wells		RUN3	Region G to submit	Values taken from previous plans. Has not been update since 2006 Plan
	Teague City		RUN3	Region G to submit	Values taken from previous plans. Has not been update since 2006 Plan

Table 2-2: Modifications to WAM/GAM Models

WAM/GAM Model Version	Modifications to Model	Date Modifications Approved by EA	Entity That Performed Model Run	Date of Model Run
TCEQ Trinity WAM Run 3	See hydraulic variance request letter dated April 13, 2018	June 21, 2018	Freese and Nichols, Inc	May 2018
TCEQ Sulphur WAM Run 3 through 1996. Reservoir Operation Model from 1997-2017.	See hydraulic variance request letter dated April 13, 2018	June 21, 2018	Freese and Nichols, Inc	May 2018
TCEQ Red WAM Run 3	See Hydrologic Variance Request Letter dated April 13, 2018		Freese and Nichols, Inc	December 2013
TCEQ Sabine WAM Run 3	See Hydrologic Variance Request Letter from Region I Planning Group.		Freese and Nichols, Inc	June 2018
TCEQ **Brazos** WAM Run 3	From Brazos G Planning Group.		HDR, Inc.	2010

2.2 GROUNDWATER

2.2.1 Written Summary of MAGs

The geographic area of Region C overlaps with three of the state-designated Groundwater Management Areas: GMA8, GMA11, and GMA12. All three of these GMAs have updated their Modeled Available Groundwater (MAG) reports during the course of the fifth round of regional planning. As required by TWDB, Region C is using the updated aquifer availabilities set forth in these updated MAG reports for the 2021 Region Water Plan. The specific reports used were:

- *GAM Run 17-029 MAG: Modeled Available Groundwater for the Trinity, Woodbine, Edwards (Balcones Fault Zone), Marble Falls, Ellenburger-San Saba, and Hickory Aquifers in Groundwater Management Area 8*, dated January 19, 2018.
- *GAM Run 17-024 MAG: Modeled Available Groundwater for the Carrizo-Wilcox, Queen City, and Sparta Aquifers in Groundwater Management Area 11*, dated June 19, 2017.
- *GAM Run 17-030 MAG: Modeled Available Groundwater for the Carrizo-Wilcox, Queen City, Sparta, Yegua-Jackson, and Brazos River Alluvium Aquifers in Groundwater Management Area 12*, dated December 15, 2017.

2.2.2 Documented Methodologies Utilized for Non-MAGs Availabilities

The MAG reports referenced in **Section 2.2.1** did not include availabilities for Other Aquifer. For Other Aquifer availability for the 2021 Regional Water Plan, Region C chose to use the availability values from the 2016 Region C Water Plan. It should be noted that TWDB is now using the specific name of "Cross Timbers Aquifer" rather than using the more generic "Other Aquifer" in Jack and Parker Counties.

The GMA 8 and GMA 11 MAG reports referenced in **Section 2.2.1** did not include availabilities for the Nacatoch Aquifer. This aquifer was declared non-relevant for the purpose of adopting desired future conditions by the GMA 8 and GMA 11 Districts, and therefore, MAG values were not calculated for the Nactoch Aquifer in the recent MAG reports. For Nacatoch Aquifer availability for the 2021 Regional Water Plan, Region C chose to use the Nacatoch Aquifer availability values from the 2016 Region C Water Plan. The Region C Water Planning Group approved this methodology at the April 9, 2018 meeting.

2.2.3 Declaration that No GAM Models were Used

Region C Water Planning Group and its consultants did not perform any groundwater availability (GAM) modeling for the 2021 Regional Water Plan. All groundwater availabilities were taken either from the MAG reports referenced in **Section 2.2.1** or from previous regional water plans as described in **Section 2.2.2.**

3.0 POTENTIALLY FEASIBLE WATER MANAGEMENT STRATEGIES

3.1 PROCESS FOR IDENTIFYING POTENTIALLY FEASIBLE WMSS

This section describes the process to identify potentially feasible water management strategies for Region C. Section 5.1 of the *First Amended General Guidelines for Fifth Cycle of Regional Water Plan Development* (Exhibit C, April 2017) provides guidance on Potentially Feasible Water Management Strategies (WMSs) by listing 24 types of WMSs that the RWPs shall consider for all identified water needs. Those WMSs are listed below and the following paragraphs offer a description of how Region C will consider each WMS category:

- conservation
- drought management
- reuse
- management of existing water supplies
- conjunctive use
- acquisition of available existing water supplies
- development of new water supplies
- developing regional water supply facilities or providing regional management of water supply facilities
- developing large-scale desalination facilities for seawater or brackish groundwater that serve local or regional brackish groundwater production zones identified and designated under TWC §16.060(b)(5)
- developing large-scale desalination facilities for marine seawater that serve local or regional entities
- voluntary transfer of water within the region using, but not limited to, contracts, water marketing, regional water banks, sales, leases, options, subordination agreements, and financing agreements
- emergency transfer of water under TWC §11.139
- interbasin transfers of surface water
- system optimization
- reallocation of reservoir storage to new uses
- enhancements of yields
- improvements to water quality
- new surface water supply
- new groundwater supply
- brush control
- precipitation enhancement
- aquifer storage and recovery
- cancellation of water rights
- rainwater harvesting

By Water Strategy Type (as required in TWDB Guidelines):

WATER CONSERVATION

Water conservation must be considered as a strategy for every identified need. If water conservation is not adopted, the reason must be documented. Region C will also consider conservation for municipal Water User Groups that do not show an identified need.

DROUGHT MANAGEMENT MEASURES

The RCWPG recommends that drought management water management strategies be implemented in response to drought conditions. These will be used to respond to drought conditions and provide a safety factor for water users. Drought management measures will not be adopted as strategies to meet long-range needs.

WASTEWATER REUSE

Reuse projects will be considered on a case-by-case basis. Both direct and indirect reuse will be considered as appropriate.

EXPANDED USE OF EXISTING SUPPLIES

Connection of Existing Supplies

The connection of existing supplies will be considered on a case-by-case basis. In general, supplies should be owned by the water group with a need for additional supply or available to that group for purchase or permitting.

System Operation

New or additional system operations may be considered if they are feasible and the owner wishes to adopt such strategies. The RCWPG will include existing system operation policies.

Conjunctive Use of Groundwater and Surface Water

The conjunctive use of groundwater and surface water supplies may be considered when groundwater supplies are available. Applicable groundwater conservation district rules will be considered for such conjunctive systems.

Reallocation of Reservoir Storage

The RCWPG will consider reallocation of reservoir storage if the owner is amenable to reallocation and, in a case where reallocation in federal reservoirs is being considered (such as from flood to conservation storage), an appropriate and willing local sponsor can be found to sponsor a federal study.

Voluntary Redistribution of Water Resources

The RCWPG will discuss the possible redistribution with the involved parties and come to a consensus on an approach. If the involved parties are not interested, the RCWPG will not pursue this option.

Voluntary Subordination of Existing Water Rights

The RCWPG will consider voluntary subordination of existing water rights if the involved parties are amenable to the strategy. Alternatively, the RCWPG may recommend that the water right holder consider selling water under their water right to the willing buyer.

Yield Enhancement

The RCWPG will consider yield enhancement projects as appropriate for the water source and identified need.

Water Quality Improvement
The RCWPG will consider water quality improvement projects for municipal supplies that bring the existing water supply into compliance with state and federal regulations. General water quality projects may be considered if they improve the usability of the water source to help meet demands.

NEW SUPPLY DEVELOPMENT

Surface Water Resources
The RCWPG will consider new surface water resources that can be permitted, provide a reasonable amount of supply to meet the identified need, are located within a reasonable distance of the end users, and are expected to provide water supplies at a reasonable cost.

Groundwater Resources
The RCWPG will consider groundwater supplies in areas where additional groundwater is available.

Brush Control
The RCWPG will consider brush control as a general regional strategy. Specific impacts and quantity of supply will not be evaluated unless there are available data from existing studies.

Precipitation Enhancement
The RCWPG will consider precipitation enhancement as a general regional strategy. Specific impacts and quantity of supply will not be evaluated unless there are available data from existing studies.

Desalination
The RCWPG will consider desalination on a case-by-case basis.

Water Right Cancellation
The RCWPG will generally not pursue water right cancellation as a means of obtaining additional water supplies. Instead, the RCWPG will recommend that the water right holder consider selling water under their water right to the willing buyer.

Aquifer Storage and Recovery (ASR)
The RCWPG will consider aquifer storage and recovery where the structure of the aquifer is such that this method is applicable. An ASR study must have already been performed to consider an area feasible for an ASR project.

INTERBASIN TRANSFERS
The RCWPG will recommend interbasin transfers when necessary to transport water from the source to its destination. Interbasin transfers will be evaluated in accordance with current regulations.

In addition to the categories to be considered for Potentially Feasible WMSs, Region C developed a methodology by which it would identify Potentially Feasible WMSs. This methodology was presented to the Region C Water Planning Group on December 18, 2017 and was approved at the same meeting. This methodology is similar to methodology used in previous rounds.

1. Conservation for all municipal WUGs with needs – Per TWDB rules, conservation is required to be considered as a WMS for all WUGs with a need. It is anticipated that we will include recommended

conservation strategies for most if not all municipal WUGs, as was done in the 2016 RCWP.

2. Conservation for non-municipal WUGs – Conservation will be considered for all non-municipal WUGs with a need. In the 2016 RCWP, conservation was included for irrigation and manufacturing WUGs. In this round of planning, the RCWPG will consider the degree to which conservation is embedded in demand projections in determining appropriate conservation strategies for non-municipal WUGs.
3. WMSs from previous Regional Plans – For each WUG/WWP, we will consider all WMSs that were included in the 2016 RCWP unless that WMS has been determined to be infeasible or unsupported by the WUG/WWP.
4. Contact with Water Providers – We will contact all WUGs/WWPs to get their input on what WMSs they want included in the plan.
    a. Meetings were held with the large WWPs in the spring of 2017 at which time they were asked about their WMSs. We will continue to discuss this with the WWPs throughout the planning process.
    b. A survey of WUGs and smaller WWPs (not previously met with) was conducted in Nov 2017 that presented the WMSs from the 2016 plan and specifically asked if the water supplier agreed with the WMSs and if not, it asked them to provide other WMSs that they are considering.
5. Seek Input from Region C Members – As the planning cycle progresses, all Region C members will be given opportunity to comment and/or provide input on the potentially feasible WMSs. These comments will be verified with the related water provider.
6. Accept Input from public - As the planning cycle progresses, the public will be given multiple opportunities to comment and/or provide input on the potentially feasible WMSs. These comments will be verified with the related water provider.
7. Sufficient Quantity of Supply – To be considered potentially feasible, a supply would need to provide a reasonable percentage of the need. This avoids having numerous WMSs that supply smaller percentages of the need. The exceptions to this would be: conservation, drought management, and ASR.

3.2 LIST OF POTENTIALLY FEASIBLE WMS

Appendix C provides the Potentially Feasibly WMSs for each Wholesale Water Provider. Appendix D provides the Potentially Feasibly WMSs for each WUG by County. **Table 3-1** is a tabular list of these Potentially Feasibly WMSs.

Table 3-1: Tabular List of Potentially Feasible Water Management Strategies

Potentially Feasible Water Management Strategies
Conservation:
Drought Management:
Implementation of Drought Contingency Plans/Measures as needed
Reuse:
Purchase Reuse water from DCPCMUD (Lake Grapevine)
Additional Reuse (TBD)
Athens Indirect Reuse
Cedar Creek Reuse (Wetlands)
Direct Reuse
Direct Reuse from local WWTPs
Direct Reuse from Sherman
Direct Reuse from UTRWD
Ennis Indirect Reuse
Indirect Reuse (Athens MWA) (Interbasin Transfer)
Indirect Reuse to Lake Weatherford/Sunshine
Indirect Reuse from Jacksboro
Irving Indirect Reuse
Joe Pool Reuse
Las Colinas Direct Reuse
Main Stem Balancing Reservoir
Main Stem Pump Station
Reuse for Steam Electric Power
Reuse from TRA Central Regional WWTP
TRA Reuse for SEP
Existing Supplies:
Additional measure to access full Lavon yield
Carrizo-Wilcox Groundwater from Counties TBD
Chapman Booster Pump Station
Lake Dredging
Expansion of Treatment and Delivery System
Freestone/Anderson Co Groundwater (Forestar)
IPL Connect to Lake Palestine
IPL Connection of Existing Supplies (Cedar Creek and Richland-Chambers)
IPL Connection to Bachman
Lake O' the Pines
Lake Texoma blending
Lake Texoma Desalination
Lake Texoma Raw water for SEP

Potentially Feasible Water Management Strategies
Navarro Mills (additional)
Oklahoma
Renew Contract for Supplies from current provider
Toledo Bend
Development of New Supplies:
New Groundwater
New Surface water
Ralph Hall Reservoir (New IBT)
Lower Bois d'Arc Reservoir (New IBT)
Lake Tehuacana
Lake Columbia (New IBT)
Neches Run-of-River Diversions (IBT)
Richland-Chambers Reservoir for SEP
George Parkhouse North Lake (New IBT)
George Parkhouse South Lake (New IBT)
Red River Off Channel Reservoir (New IBT)
Sabine Off Channel Reservoir (New IBT)
New Supplies from raised dam at Wright Patman (New IBT)
Sulphur Basin Supplies (New IBT)
Marvin Nichols Reservoir (New IBT)
Reallocation/Management of Existing Supplies:
Expansion of Treatment and Delivery System
Expansion of Raw Water Supply System
Conjunctive Use:
Conjunctive use of Ground & Surface water
Aquifer Storage and Recovery
Acquisition of Available Existing Supplies:
Lake Texoma
Additional Lake Texoma
Additional Supplies from current provider
Begin Purchasing from new provider
Connect to and begin purchasing from new provider
Connect to and purchase from Lake Texoma
Lake Ralph Hall Supply
New Well(s) in Trinity Aquifer
New Well(s) in Carrizo-Wilcox Aquifer
New Well(s) In Woodbine Aquifer
New Well(s) in Queen City Aquifer
New Well(s) in Nacatoch Aquifer

Potentially Feasible Water Management Strategies
New Well(s) in Cross Timbers Aquifer
New Well(s) in Other Aquifer
Raw Water from TRWD for SEP
Water Rights in Navarro Mills Reservoir
Development of Regional Water Supply or Providing Regional Management of Water Supply Facilities:
TRA Ellis County Water Supply Project
Collin-Grayson Municipal Alliance
Cooke County Water Supply Project
Fannin County Water Supply Project
Grayson County Water Supply Project
Infrastructure to deliver to Cooke County WUGS
Other Regional Systems as feasible
Voluntary Transfer of Water (incl. regional water banks, sales, leases, options, subordination agreements, and financing agreements):
Interim Purchase from water provider
Emergency Transfer of Water:
System Optimization, Subordination, Leases, Enhancement of Yield, Improvement of Water Quality
System Operation
Desalination:
Desalination Plant
Supplies from the Gulf of Mexico with Desalination
Desalination Plant - Grayson County WUGs, Sherman, Denison

4.0 SIMPLIFIED PLANNING OPTION

The Region C Water Planning Group will not pursue the simplified planning option offered by TWDB for the fifth cycle of regional water planning.

5.0 PUBLIC COMMENT

Per the TWDB Regional Planning Rules [31 TAC Section 357.21(c)(7)(C)], the public was given the opportunity to submit written comments for the period of 14 days prior to and 14 days after the meeting where this Technical Memorandum was considered for approval by the Region C Planning Group. In addition, the public was also given the opportunity to comment at the meeting where this Technical Memorandum was considered for approval by the Region C Planning Group, held on August 20, 2018.

No public comment, neither written or at the public meeting, was received regarding this Technical Memorandum.

APPENDIX A
TWDB DB22 Reports

TWDB DB22 Report #1 - WUG Population Projections

Region C Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
B H P WSC	510	778	1,001	1,011	1,032	1,032
CADDO BASIN SUD	1,392	1,757	2,408	3,209	4,130	5,121
FARMERSVILLE	11	29	65	99	141	204
JOSEPHINE	1,434	2,300	3,226	4,175	4,352	4,352
NEVADA SUD	812	1,002	1,179	3,831	9,076	16,338
ROYSE CITY	2,225	10,604	19,182	30,063	40,153	52,844
COUNTY-OTHER	3	3	3	3	5	8
SABINE BASIN TOTAL	**6,387**	**16,473**	**27,064**	**42,391**	**58,889**	**79,899**
ALLEN	105,000	114,000	116,000	118,000	120,000	122,000
ANNA	15,037	25,747	41,195	53,553	69,619	90,505
BEAR CREEK SUD	5,179	8,287	11,920	16,695	20,961	26,474
BLUE RIDGE	2,425	4,190	39,507	81,703	116,583	161,591
CADDO BASIN SUD	923	1,165	1,596	2,128	2,738	3,396
CARROLLTON	4	6	9	12	15	19
CELINA	21,257	51,038	77,710	105,998	134,286	162,573
COPEVILLE SUD	3,959	4,945	6,148	8,574	15,171	26,007
CULLEOKA WSC	5,500	5,787	8,739	10,615	12,000	15,000
DALLAS	71,320	73,220	74,169	74,169	74,169	74,169
DESERT WSC	400	451	531	675	917	1,198
EAST FORK SUD	10,735	12,040	13,826	13,963	14,492	14,997
FAIRVIEW	12,592	14,529	19,397	20,193	20,418	20,418
FARMERSVILLE	8,649	21,651	49,230	75,294	107,028	154,761
FRISCO	112,747	116,865	137,833	199,910	234,514	251,443
FROGNOT WSC	1,630	1,904	2,326	2,928	3,344	3,720
GARLAND	317	396	492	619	755	900
HICKORY CREEK SUD	104	149	209	305	433	614
LUCAS	7,822	8,908	11,794	13,720	15,330	15,330
MARILEE SUD	4,580	4,580	4,663	4,663	4,663	4,663
MCKINNEY	186,565	205,000	227,522	275,828	330,324	357,967
MELISSA	17,938	57,000	80,000	100,000	115,072	119,072
MILLIGAN WSC	3,728	4,352	5,312	6,680	7,604	8,423
MURPHY	19,330	19,330	19,330	19,330	19,330	19,330
NEVADA SUD	1,606	1,981	2,333	7,576	17,952	32,314
NORTH COLLIN SUD	5,566	6,442	7,509	9,006	10,529	12,143
NORTH FARMERSVILLE WSC	417	486	594	747	850	942
PARKER	7,316	7,316	7,811	9,117	10,035	11,465
PLANO	279,151	283,397	287,717	288,601	289,054	292,054
PRINCETON	11,047	38,120	77,633	91,943	91,943	91,943
PROSPER	19,003	22,000	25,000	28,000	35,056	35,056
RICHARDSON	35,700	35,700	35,700	36,536	38,207	41,690
SACHSE	8,108	8,108	8,108	8,441	8,535	8,535

Region C Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
SEIS LAGOS UD	2,041	2,041	2,041	2,124	2,148	2,148
SOUTH GRAYSON SUD	1,232	1,538	2,057	2,501	2,920	3,324
VERONA SUD	2,648	3,091	3,772	4,744	5,400	5,983
WEST LEONARD WSC	318	362	441	596	857	1,142
WESTMINSTER WSC	1,889	2,204	2,687	3,377	3,851	4,277
WYLIE	41,381	44,531	46,984	50,563	52,636	57,986
WYLIE NORTHEAST SUD	4,958	5,976	7,015	11,464	17,153	25,279
COUNTY-OTHER	3,997	3,997	3,997	3,997	7,939	12,342
TRINITY BASIN TOTAL	**1,044,119**	**1,222,830**	**1,470,857**	**1,764,888**	**2,034,831**	**2,293,193**
COLLIN COUNTY TOTAL	**1,050,506**	**1,239,303**	**1,497,921**	**1,807,279**	**2,093,720**	**2,373,092**
CALLISBURG WSC	600	614	625	632	636	640
GAINESVILLE	28	30	32	33	40	57
LINDSAY	11	12	13	14	17	25
TWO WAY SUD	100	108	113	119	124	128
WOODBINE WSC	484	548	613	677	741	805
COUNTY-OTHER	1,211	1,305	1,445	2,120	2,678	6,307
RED BASIN TOTAL	**2,434**	**2,617**	**2,841**	**3,595**	**4,236**	**7,962**
BOLIVAR WSC	1,169	1,255	1,320	1,386	1,441	1,488
CALLISBURG WSC	1,056	1,082	1,101	1,112	1,120	1,127
GAINESVILLE	18,449	19,802	20,838	21,871	26,605	37,245
LAKE KIOWA SUD	2,200	2,300	2,350	2,400	2,420	2,450
LINDSAY	1,314	1,411	1,504	1,674	2,003	3,017
MOUNTAIN SPRINGS WSC	2,654	2,848	2,998	3,146	5,000	7,999
MUENSTER	1,564	1,564	1,614	1,614	1,665	1,665
WOODBINE WSC	5,647	6,398	7,149	7,900	8,649	9,398
COUNTY-OTHER	4,416	4,758	5,269	7,729	9,766	23,000
TRINITY BASIN TOTAL	**38,469**	**41,418**	**44,143**	**48,832**	**58,669**	**87,389**
COOKE COUNTY TOTAL	**40,903**	**44,035**	**46,984**	**52,427**	**62,905**	**95,351**
ADDISON	14,869	15,895	16,921	17,947	18,973	20,000
BALCH SPRINGS	26,418	28,974	31,600	34,449	37,226	40,010
CARROLLTON	51,277	51,277	51,277	51,277	51,277	51,277
CEDAR HILL	53,244	65,133	76,989	83,579	83,579	83,579
COCKRELL HILL	4,787	5,250	5,250	5,250	6,999	14,997
COMBINE WSC	810	986	1,185	1,412	1,669	1,956
COPPELL	40,848	41,747	41,809	41,809	41,809	41,809
DALLAS	1,141,059	1,242,191	1,420,781	1,591,937	1,722,709	1,785,569
DESOTO	54,505	58,941	64,281	70,078	75,727	78,033
DUNCANVILLE	43,110	47,307	47,307	47,307	47,307	47,307
EAST FORK SUD	3,725	3,725	3,376	4,169	4,942	5,717
FARMERS BRANCH	30,582	32,477	34,420	36,531	38,586	40,648

Region C Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
FERRIS	6	10	14	19	23	27
GARLAND	254,381	278,659	293,920	297,792	299,655	299,509
GLENN HEIGHTS	13,822	18,831	23,973	29,555	34,995	45,991
GRAND PRAIRIE	166,208	206,781	231,491	231,491	231,491	231,491
HIGHLAND PARK	9,023	9,311	9,311	9,311	9,311	9,311
HUTCHINS	9,901	13,919	17,937	21,956	25,974	29,994
IRVING	259,186	294,623	301,541	301,541	301,541	301,541
LANCASTER	45,097	58,781	69,582	77,498	85,417	93,333
LEWISVILLE	841	841	841	841	841	841
MESQUITE	149,800	164,758	186,045	202,822	219,171	235,561
OVILLA	485	624	768	924	1,076	1,862
RICHARDSON	73,816	76,839	79,892	82,378	82,378	82,378
ROCKETT SUD	1,000	2,000	2,999	3,999	4,999	5,999
ROWLETT	59,891	65,397	70,903	75,409	78,784	83,228
SACHSE	20,596	20,596	20,596	20,596	20,596	20,596
SEAGOVILLE	18,853	22,871	26,888	30,904	34,987	34,974
SUNNYVALE	6,637	9,481	12,326	14,222	14,222	14,222
UNIVERSITY PARK	25,656	25,656	25,656	25,656	25,656	25,656
WILMER	4,111	4,595	7,336	13,692	21,517	39,121
WYLIE	2,324	2,388	2,452	2,515	2,579	2,704
COUNTY-OTHER	1,092	798	862	917	1,318	1,617
TRINITY BASIN TOTAL	**2,587,960**	**2,871,662**	**3,180,529**	**3,429,783**	**3,627,334**	**3,770,858**
DALLAS COUNTY TOTAL	**2,587,960**	**2,871,662**	**3,180,529**	**3,429,783**	**3,627,334**	**3,770,858**
ARGYLE WSC	13,466	17,126	22,005	22,005	22,005	22,005
AUBREY	4,597	6,112	7,148	8,475	10,173	12,346
BLACK ROCK WSC	1,570	1,977	2,347	2,745	3,215	3,639
BOLIVAR WSC	9,904	12,050	14,614	17,479	20,832	24,660
CARROLLTON	79,200	81,682	81,682	81,682	81,682	81,682
CELINA	743	5,248	17,514	37,427	37,427	37,427
COPPELL	1,134	1,134	1,134	1,134	1,134	1,134
CORINTH	24,928	29,520	29,520	29,520	29,520	29,520
CROSS TIMBERS WSC	7,500	9,523	9,647	9,785	9,947	10,131
DALLAS	29,680	32,203	36,598	40,789	43,991	45,531
DENTON	145,000	186,773	233,749	322,996	463,472	570,694
DENTON COUNTY FWSD 10	7,884	16,750	19,770	19,770	19,770	19,770
DENTON COUNTY FWSD 1-A	14,000	25,021	30,000	30,000	30,000	30,000
DENTON COUNTY FWSD 7	13,500	13,500	13,500	13,500	13,500	13,500
FLOWER MOUND	75,315	84,200	86,000	88,000	90,000	92,730
FORT WORTH	36,529	56,185	81,471	114,851	147,198	179,544
FRISCO	75,596	95,300	120,040	121,546	123,051	123,557

Region C Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
HACKBERRY	1,870	2,415	3,065	3,792	4,642	5,612
HIGHLAND VILLAGE	17,119	18,020	18,020	18,020	18,020	18,020
JUSTIN	4,766	8,532	12,298	12,298	12,298	12,298
KRUM	5,110	6,347	7,827	9,479	11,413	13,621
LAKE CITIES MUNICIPAL UTILITY AUTHORITY	15,312	17,649	20,200	21,810	21,810	21,810
LEWISVILLE	106,485	121,082	138,526	158,014	176,513	176,513
LITTLE ELM	29,627	33,557	33,557	33,557	33,557	33,557
MOUNTAIN SPRINGS WSC	55	61	68	74	84	94
MUSTANG SUD	30,336	56,772	83,209	109,647	136,080	162,519
NORTHLAKE	9,500	22,000	31,010	43,005	55,000	55,000
PALOMA CREEK NORTH	8,194	11,174	11,174	11,174	11,174	11,174
PALOMA CREEK SOUTH	4,154	5,665	5,665	5,665	5,665	5,665
PILOT POINT	6,500	8,000	11,000	15,000	20,000	27,000
PLANO	7,449	7,747	7,946	7,946	7,946	7,946
PONDER	3,117	4,305	5,725	7,311	9,169	11,289
PROSPER	1,157	5,609	10,058	15,029	15,944	15,944
PROVIDENCE VILLAGE WCID	7,235	7,235	7,235	7,235	7,235	7,235
ROANOKE	7,949	9,956	11,961	11,961	11,961	11,961
SANGER	8,190	10,164	12,522	15,158	18,243	21,765
SOUTHLAKE	1,014	1,310	1,662	2,057	2,518	3,045
THE COLONY	53,029	58,000	62,000	67,600	67,600	67,600
TROPHY CLUB MUD 1	12,750	12,750	12,750	12,750	12,750	12,750
WESTLAKE	26	34	45	56	69	85
COUNTY-OTHER	9,573	12,431	15,289	33,673	59,607	112,763
TRINITY BASIN TOTAL	**891,063**	**1,115,119**	**1,329,551**	**1,584,015**	**1,866,215**	**2,113,136**
DENTON COUNTY TOTAL	**891,063**	**1,115,119**	**1,329,551**	**1,584,015**	**1,866,215**	**2,113,136**
AVALON WATER SUPPLY & SEWER SERVICE	1,182	1,435	1,764	2,405	3,242	4,537
BRANDON IRENE WSC	70	90	112	145	177	215
BUENA VISTA-BETHEL SUD	4,619	5,617	6,605	8,465	12,169	16,217
CEDAR HILL	694	884	1,103	1,421	1,421	1,421
EAST GARRETT WSC	1,490	1,896	2,368	3,051	3,743	8,933
ENNIS	21,354	25,111	28,828	41,086	66,145	110,073
FERRIS	2,944	5,190	7,186	8,181	9,177	10,173
FILES VALLEY WSC	755	961	1,199	1,545	1,896	2,302
GLENN HEIGHTS	3,874	4,929	6,153	7,930	9,728	14,843
GRAND PRAIRIE	55	71	88	114	140	170
HILCO UNITED SERVICES	149	160	167	183	192	202
ITALY	2,365	3,011	3,757	4,842	6,132	8,176
MANSFIELD	110	130	162	236	293	361
MIDLOTHIAN	20,660	30,895	32,500	34,500	36,836	40,689

Region C Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
MOUNTAIN PEAK SUD	9,467	12,047	12,800	18,377	21,269	23,861
OVILLA	4,000	5,089	6,352	8,186	10,042	18,505
PALMER	2,440	3,104	3,875	4,994	6,383	11,784
RED OAK	7,667	8,635	11,660	16,615	20,449	31,952
RICE WATER SUPPLY AND SEWER SERVICE	5,861	7,190	8,710	10,758	12,925	15,421
ROCKETT SUD	39,447	51,008	56,000	75,000	100,000	130,000
SARDIS LONE ELM WSC	19,699	26,433	30,524	31,524	32,524	32,524
SOUTH ELLIS COUNTY WSC	1,563	1,887	2,313	3,144	4,227	5,902
VENUS	81	102	128	165	202	246
WAXAHACHIE	37,700	43,084	52,272	64,400	78,500	95,500
COUNTY-OTHER	3,392	2,819	4,119	13,317	42,127	86,838
TRINITY BASIN TOTAL	**191,638**	**241,778**	**280,745**	**360,584**	**479,939**	**670,845**
ELLIS COUNTY TOTAL	**191,638**	**241,778**	**280,745**	**360,584**	**479,939**	**670,845**
ARLEDGE RIDGE WSC	955	1,081	1,314	1,725	2,539	3,451
BOIS D ARC MUD	2,319	2,625	3,190	4,187	6,164	8,376
BONHAM	12,603	16,000	22,000	30,000	37,000	45,000
DESERT WSC	7	8	8	10	15	22
HONEY GROVE	382	384	384	384	384	384
LEONARD	18	19	20	21	22	23
SOUTHWEST FANNIN COUNTY SUD	3,915	4,304	4,580	4,851	5,827	6,927
TRENTON	1	1	3	6	10	14
WHITE SHED WSC	2,769	3,133	3,809	4,998	7,360	10,001
WHITEWRIGHT	10	11	12	13	14	15
COUNTY-OTHER	5,246	4,346	4,693	6,925	19,606	34,021
RED BASIN TOTAL	**28,225**	**31,912**	**40,013**	**53,120**	**78,941**	**108,234**
ARLEDGE RIDGE WSC	377	427	519	681	1,003	1,362
DELTA COUNTY MUD	45	45	46	46	47	49
HICKORY CREEK SUD	282	310	330	350	382	416
HONEY GROVE	1,435	1,444	1,444	1,444	1,444	1,444
LADONIA	1,600	2,000	2,200	2,500	3,000	3,000
LEONARD	42	45	47	49	51	53
NORTH HUNT SUD	525	577	617	653	709	769
WOLFE CITY	90	112	142	183	242	327
COUNTY-OTHER	324	268	290	428	1,211	2,101
SULPHUR BASIN TOTAL	**4,720**	**5,228**	**5,635**	**6,334**	**8,089**	**9,521**
DESERT WSC	675	762	809	987	1,427	2,113
HICKORY CREEK SUD	15	17	18	19	20	22
LEONARD	2,140	2,336	2,433	2,530	2,627	2,724
SOUTHWEST FANNIN COUNTY SUD	193	212	226	239	287	342
TRENTON	735	933	2,099	4,197	7,238	10,257

Region C Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
WEST LEONARD WSC	1,238	1,362	1,310	1,388	1,623	1,996
COUNTY-OTHER	389	322	348	514	1,454	2,523
TRINITY BASIN TOTAL	**5,385**	**5,944**	**7,243**	**9,874**	**14,676**	**19,977**
FANNIN COUNTY TOTAL	**38,330**	**43,084**	**52,891**	**69,328**	**101,706**	**137,732**
POINT ENTERPRISE WSC	422	447	467	490	508	523
SOUTH FREESTONE COUNTY WSC	399	412	448	608	868	1,431
TEAGUE	1,934	2,063	2,750	3,636	4,384	5,157
COUNTY-OTHER	472	469	432	538	1,297	3,365
BRAZOS BASIN TOTAL	**3,227**	**3,391**	**4,097**	**5,272**	**7,057**	**10,476**
BUTLER WSC	1,450	1,465	1,475	1,490	1,497	1,506
FAIRFIELD	4,593	4,670	4,951	8,749	10,498	14,116
FLO COMMUNITY WSC	454	489	513	532	545	555
PLEASANT GROVE WSC	1,243	1,288	1,402	1,877	2,649	4,292
POINT ENTERPRISE WSC	395	418	438	458	475	490
SOUTH FREESTONE COUNTY WSC	2,166	2,234	2,432	3,300	4,714	7,767
TEAGUE	2,095	2,235	2,978	3,939	4,748	5,587
WORTHAM	1,185	1,278	1,342	1,390	2,319	2,622
COUNTY-OTHER	3,629	3,609	3,319	4,135	9,973	25,876
TRINITY BASIN TOTAL	**17,210**	**17,686**	**18,850**	**25,870**	**37,418**	**62,811**
FREESTONE COUNTY TOTAL	**20,437**	**21,077**	**22,947**	**31,142**	**44,475**	**73,287**
BELLS	1,713	2,020	2,322	2,536	5,925	8,000
DENISON	27,340	30,410	30,768	33,805	39,346	52,403
DORCHESTER	1,097	1,192	1,290	1,353	1,476	1,648
HOWE	804	945	1,080	1,198	1,352	1,508
KENTUCKYTOWN WSC	1,466	1,767	2,057	2,329	2,957	3,792
LUELLA SUD	3,214	3,710	4,195	4,544	5,122	5,992
NORTHWEST GRAYSON COUNTY WCID 1	1,906	1,990	2,095	2,362	3,194	4,479
OAK RIDGE SOUTH GALE WSC	2,551	2,522	2,802	3,161	4,273	5,861
PINK HILL WSC	1,992	2,187	2,187	2,467	3,335	4,576
POTTSBORO	3,056	3,951	4,834	6,331	10,000	18,000
RED RIVER AUTHORITY OF TEXAS	1,457	1,625	1,773	1,921	2,062	1,976
SHERMAN	43,522	45,675	46,749	50,692	66,937	102,574
SOUTHMAYD	1,281	1,426	1,569	1,731	2,334	3,151
SOUTHWEST FANNIN COUNTY SUD	1,727	2,308	3,072	3,947	5,382	7,061
STARR WSC	2,355	2,588	2,556	2,882	3,897	5,347
TOM BEAN	160	182	203	227	280	420
TWO WAY SUD	3,973	5,139	6,074	7,337	9,810	12,684
WHITESBORO	1,781	1,813	1,835	1,817	2,308	3,054
WHITEWRIGHT	1,881	1,904	1,926	1,852	1,962	2,182
COUNTY-OTHER	5,703	4,779	2,979	3,521	11,939	19,692

Region C Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
RED BASIN TOTAL	**108,979**	**118,133**	**122,366**	**136,013**	**183,891**	**264,400**
COLLINSVILLE	2,567	3,139	3,798	4,596	4,850	6,370
DESERT WSC	618	676	732	792	875	947
DORCHESTER	525	570	617	647	707	788
GUNTER	1,841	2,538	3,384	4,230	5,182	6,046
HOWE	2,064	2,427	2,774	3,077	3,471	3,871
KENTUCKYTOWN WSC	1,390	1,676	1,951	2,208	2,804	3,595
LUELLA SUD	466	538	608	659	743	869
MARILEE SUD	3,106	3,375	3,570	3,570	3,570	3,570
MUSTANG SUD	264	268	271	273	280	281
SOUTH GRAYSON SUD	2,902	3,118	3,565	3,717	3,928	4,052
TIOGA	1,209	1,322	1,421	1,535	3,395	4,656
TOM BEAN	1,096	1,250	1,390	1,552	1,916	2,874
TWO WAY SUD	2,183	2,824	3,337	4,031	5,390	6,969
VAN ALSTYNE	3,750	5,300	7,470	9,640	18,644	23,494
WESTMINSTER WSC	20	24	29	35	40	44
WHITESBORO	2,058	2,095	2,121	2,100	2,667	3,528
WHITEWRIGHT	15	15	15	15	16	17
WOODBINE WSC	79	89	97	107	121	131
COUNTY-OTHER	179	150	94	110	375	618
TRINITY BASIN TOTAL	**26,332**	**31,394**	**37,244**	**42,894**	**58,974**	**72,720**
GRAYSON COUNTY TOTAL	**135,311**	**149,527**	**159,610**	**178,907**	**242,865**	**337,120**
ATHENS	14,241	15,906	17,294	19,125	32,895	48,841
B B S WSC	29	30	30	30	30	30
BETHEL ASH WSC	2,115	2,385	2,609	2,907	3,163	3,411
CRESCENT HEIGHTS WSC	1,885	2,012	2,172	2,361	2,968	3,770
DOGWOOD ESTATES WATER	1,205	1,286	1,388	1,509	1,897	2,409
EAST CEDAR CREEK FWSD	20,100	22,320	24,840	27,570	30,630	34,050
EUSTACE	1,170	1,277	1,383	2,041	2,659	3,191
MABANK	3,715	4,141	4,568	5,975	8,339	11,619
MALAKOFF	2,432	2,512	2,580	2,668	2,824	3,026
TRINIDAD	1,026	1,026	1,026	1,026	1,158	1,390
VIRGINIA HILL WSC	2,384	2,734	3,027	3,413	3,774	4,246
WEST CEDAR CREEK MUD	13,963	14,406	14,817	15,570	19,500	24,500
COUNTY-OTHER	3,314	2,557	2,770	1,706	656	1,398
TRINITY BASIN TOTAL	**67,579**	**72,592**	**78,504**	**85,901**	**110,493**	**141,881**
HENDERSON COUNTY TOTAL	**67,579**	**72,592**	**78,504**	**85,901**	**110,493**	**141,881**
COUNTY-OTHER	2,125	2,268	2,357	2,404	2,438	2,460
BRAZOS BASIN TOTAL	**2,125**	**2,268**	**2,357**	**2,404**	**2,438**	**2,460**
JACKSBORO	4,873	5,202	5,406	5,514	5,593	5,643

Region C Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
COUNTY-OTHER	2,753	2,939	3,054	3,115	3,159	3,188
TRINITY BASIN TOTAL	**7,626**	**8,141**	**8,460**	**8,629**	**8,752**	**8,831**
JACK COUNTY TOTAL	**9,751**	**10,409**	**10,817**	**11,033**	**11,190**	**11,291**
ABLES SPRINGS WSC	2,514	3,117	3,758	4,715	5,748	6,873
MACBEE SUD	234	290	350	439	535	640
POETRY WSC	459	574	708	942	1,276	1,718
COUNTY-OTHER	177	328	368	374	1,543	3,534
SABINE BASIN TOTAL	**3,384**	**4,309**	**5,184**	**6,470**	**9,102**	**12,765**
ABLES SPRINGS WSC	1,988	2,465	2,972	3,728	4,545	5,435
BECKER JIBA WSC	3,547	4,590	5,626	7,933	11,093	14,800
COLLEGE MOUND WSC	11,510	14,270	17,206	21,584	31,717	40,174
COMBINE WSC	2,904	3,503	4,122	5,066	6,047	7,089
CRANDALL	4,209	5,218	6,292	7,840	7,920	7,920
ELMO WSC	2,566	3,320	4,071	5,418	7,576	10,110
FORNEY	21,341	24,927	31,904	40,020	59,400	79,200
FORNEY LAKE WSC	7,012	8,694	10,482	13,149	22,474	32,306
GASTONIA SCURRY SUD	10,568	13,088	15,739	20,150	33,704	52,565
HIGH POINT WSC	4,314	5,356	6,462	8,057	12,155	15,724
KAUFMAN	7,754	9,593	11,744	18,512	24,201	29,700
KAUFMAN COUNTY DEVELOPMENT DISTRICT 1	3,687	4,771	5,849	7,786	10,887	14,527
KAUFMAN COUNTY MUD 11	3,702	4,540	5,568	6,828	8,374	10,269
KEMP	1,699	2,107	2,540	3,187	4,950	6,930
MABANK	6,048	6,673	7,208	9,726	13,712	19,106
MACBEE SUD	33	41	49	62	76	90
MARKOUT WSC	2,391	3,094	3,793	5,050	7,062	9,422
MESQUITE	136	170	204	257	313	374
NORTH KAUFMAN WSC	2,818	3,647	4,471	5,952	8,322	11,103
POETRY WSC	450	562	694	924	1,251	1,684
ROSE HILL SUD	5,106	6,329	7,606	9,699	12,870	19,800
SEAGOVILLE	29	36	44	55	67	80
TALTY SUD	10,985	12,710	14,642	20,600	28,710	39,600
TERRELL	22,723	43,973	60,000	70,000	78,000	90,869
WEST CEDAR CREEK MUD	4,103	4,560	5,009	5,861	6,705	7,605
COUNTY-OTHER	1,382	2,561	2,873	2,919	12,044	27,593
TRINITY BASIN TOTAL	**143,005**	**190,798**	**237,170**	**300,363**	**414,175**	**554,075**
KAUFMAN COUNTY TOTAL	**146,389**	**195,107**	**242,354**	**306,833**	**423,277**	**566,840**
B AND B WSC	1,752	1,809	1,954	2,265	2,755	3,416
BLOOMING GROVE	973	1,073	1,175	1,293	1,416	1,547
BRANDON IRENE WSC	193	213	234	257	281	307
CHATFIELD WSC	3,933	4,414	4,894	5,374	5,854	6,334

Region C Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
CORBET WSC	2,785	3,071	3,366	3,702	4,054	4,429
CORSICANA	26,739	29,484	32,318	35,546	38,921	42,525
DAWSON	893	934	975	1,016	1,057	1,100
KERENS	1,824	2,011	2,204	2,424	2,655	2,900
M E N WSC	3,451	3,805	4,171	4,588	5,023	5,488
NAVARRO MILLS WSC	3,128	3,450	3,782	4,159	4,554	4,975
PLEASANT GROVE WSC	111	115	125	167	236	383
POST OAK SUD	706	757	801	874	973	1,099
RICE WATER SUPPLY AND SEWER SERVICE	3,660	4,511	5,492	6,514	7,828	9,338
SOUTH ELLIS COUNTY WSC	59	71	88	115	154	215
COUNTY-OTHER	2,298	3,838	4,379	5,919	7,460	15,000
TRINITY BASIN TOTAL	**52,505**	**59,556**	**65,958**	**74,213**	**83,221**	**99,056**
NAVARRO COUNTY TOTAL	**52,505**	**59,556**	**65,958**	**74,213**	**83,221**	**99,056**
HORSESHOE BEND WATER SYSTEM	1,655	2,112	2,409	3,035	3,978	5,210
MINERAL WELLS	2,107	2,078	2,044	2,004	1,958	1,905
NORTH RURAL WSC	770	826	864	899	926	947
PARKER COUNTY SUD	6,762	10,732	14,702	18,672	22,642	26,612
SANTO SUD	94	102	108	114	121	128
WEATHERFORD	1,690	2,024	2,176	3,639	5,963	8,220
COUNTY-OTHER	29,725	28,911	23,642	37,407	58,358	85,525
BRAZOS BASIN TOTAL	**42,803**	**46,785**	**45,945**	**65,770**	**93,946**	**128,547**
ALEDO	5,579	8,724	10,000	11,500	12,000	13,500
ANNETTA	3,720	4,422	5,123	5,825	6,526	7,228
AZLE	2,467	2,676	2,887	3,100	3,746	4,806
FORT WORTH	63,316	99,884	113,006	126,940	135,422	143,903
HUDSON OAKS	4,000	5,513	5,679	5,679	5,679	5,679
RENO (Parker)	2,522	2,566	2,613	2,670	2,734	2,809
SPRINGTOWN	4,068	5,484	5,484	5,484	5,484	5,484
WALNUT CREEK SUD	17,811	21,176	22,589	32,601	48,379	63,430
WEATHERFORD	28,494	34,134	36,682	61,363	100,539	138,585
WILLOW PARK	5,500	8,200	10,100	12,500	16,000	18,000
COUNTY-OTHER	21,211	20,630	16,871	26,693	41,642	61,029
TRINITY BASIN TOTAL	**158,688**	**213,409**	**231,034**	**294,355**	**378,151**	**464,453**
PARKER COUNTY TOTAL	**201,491**	**260,194**	**276,979**	**360,125**	**472,097**	**593,000**
B H P WSC	302	375	475	612	808	1,092
BEAR CREEK SUD	350	440	605	791	1,578	3,334
BLACKLAND WSC	1,943	2,203	2,367	2,436	2,745	2,957
CASH SUD	1,220	1,580	1,989	2,403	2,864	3,354
FATE	8,589	11,165	15,037	19,870	24,167	26,852
NEVADA SUD	75	91	111	449	1,122	2,019

Region C Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
ROYSE CITY	9,054	9,706	10,000	24,000	40,712	45,160
COUNTY-OTHER	913	1,289	1,320	1,234	1,381	2,142
SABINE BASIN TOTAL	**22,446**	**26,849**	**31,904**	**51,795**	**75,377**	**86,910**
BEAR CREEK SUD	320	403	554	723	1,442	3,049
BLACKLAND WSC	2,294	2,601	2,796	2,876	3,241	3,491
DALLAS	77	103	132	162	195	230
EAST FORK SUD	1,240	1,735	2,298	2,868	3,566	4,286
FATE	7,405	9,624	12,963	17,130	20,833	23,148
FORNEY LAKE WSC	763	959	1,183	1,409	1,690	1,978
GARLAND	3	4	4	5	6	7
HEATH	12,109	17,246	21,713	22,000	23,000	24,000
HIGH POINT WSC	565	709	873	1,056	1,604	2,091
MOUNT ZION WSC	2,521	3,171	3,869	4,660	5,590	6,542
R C H WSC	4,266	5,946	6,969	8,487	10,994	13,407
ROCKWALL	52,740	77,560	114,807	120,268	130,268	140,268
ROWLETT	7,632	7,632	7,632	7,632	7,763	7,825
WYLIE	3,451	3,546	3,640	3,734	3,894	4,119
COUNTY-OTHER	1,578	2,227	2,282	2,133	2,387	3,701
TRINITY BASIN TOTAL	**96,964**	**133,466**	**181,715**	**195,143**	**216,473**	**238,142**
ROCKWALL COUNTY TOTAL	**119,410**	**160,315**	**213,619**	**246,938**	**291,850**	**325,052**
ARLINGTON	387,000	404,225	413,655	423,084	423,084	423,084
AZLE	9,872	10,701	11,545	12,403	14,985	19,223
BEDFORD	48,435	52,345	56,255	60,166	60,166	60,166
BENBROOK WATER AUTHORITY	22,323	24,803	27,284	30,749	34,213	34,213
BETHESDA WSC	10,614	11,933	13,238	14,507	15,778	17,023
BURLESON	8,434	8,791	9,768	13,675	16,606	18,559
COLLEYVILLE	23,719	25,201	27,000	28,000	28,000	28,000
COMMUNITY WSC	3,419	3,845	4,265	4,673	5,083	5,484
CROWLEY	16,250	18,986	22,679	27,268	34,890	39,874
DALWORTHINGTON GARDENS	2,298	2,350	2,401	2,451	2,501	2,549
EDGECLIFF	2,924	2,924	2,924	2,924	2,924	2,924
EULESS	54,725	57,689	57,689	57,689	57,689	57,689
EVERMAN	6,153	6,477	6,600	6,600	6,600	6,600
FLOWER MOUND	240	270	270	270	270	270
FOREST HILL	12,975	13,761	14,971	17,965	22,955	29,942
FORT WORTH	848,803	1,042,039	1,282,178	1,395,762	1,493,447	1,592,141
GRAND PRAIRIE	51,864	51,864	51,864	51,864	51,864	51,864
GRAPEVINE	52,243	54,037	54,037	54,037	54,037	54,037
HALTOM CITY	43,611	44,602	46,585	50,550	54,514	59,470
HASLET	1,750	5,380	7,870	14,000	14,000	14,000
HURST	39,229	40,209	40,209	40,209	40,209	40,209

Region C Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
JOHNSON COUNTY SUD	2,649	2,897	3,233	3,568	3,904	4,240
KELLER	48,279	51,974	51,974	51,974	51,974	51,974
KENNEDALE	8,044	9,250	10,883	12,632	14,381	16,130
LAKE WORTH	5,157	5,798	6,431	7,457	8,750	11,932
LAKESIDE	1,350	1,400	1,450	1,500	1,500	1,500
MANSFIELD	67,501	85,935	102,678	127,297	146,050	164,697
NORTH RICHLAND HILLS	72,102	77,480	77,480	77,480	77,480	77,480
PANTEGO	2,653	2,653	2,653	2,653	2,653	2,653
PELICAN BAY	1,684	1,716	1,748	1,779	1,810	1,841
RENO (Parker)	15	22	29	36	44	49
RICHLAND HILLS	8,401	9,001	9,601	10,850	12,000	13,500
RIVER OAKS	7,559	7,559	7,559	7,559	7,559	7,559
SAGINAW	23,166	26,386	29,607	31,218	31,218	31,218
SANSOM PARK	4,799	5,099	5,722	6,063	6,405	6,739
SOUTHLAKE	26,695	29,882	34,862	39,843	44,823	49,803
WATAUGA	24,525	24,525	24,525	24,525	24,525	24,525
WESTLAKE	1,515	4,200	6,882	7,694	7,681	7,665
WESTOVER HILLS	682	699	715	732	749	764
WESTWORTH VILLAGE	2,741	2,989	3,235	3,473	3,712	3,947
WHITE SETTLEMENT	16,957	17,858	18,750	22,000	28,000	34,000
COUNTY-OTHER	31,254	29,358	27,021	49,948	69,001	97,840
TRINITY BASIN TOTAL	**2,004,609**	**2,279,113**	**2,580,325**	**2,799,127**	**2,978,034**	**3,167,377**
TARRANT COUNTY TOTAL	**2,004,609**	**2,279,113**	**2,580,325**	**2,799,127**	**2,978,034**	**3,167,377**
ALVORD	1,625	1,957	2,297	2,800	3,200	3,600
BOLIVAR WSC	883	1,018	1,157	1,309	1,472	1,644
BOYD	1,304	1,414	2,001	2,501	3,502	3,802
BRIDGEPORT	7,337	8,999	10,702	14,762	19,682	24,603
CHICO	1,412	1,487	1,565	2,955	3,761	4,702
DECATUR	8,509	11,740	15,254	19,752	23,227	27,002
FORT WORTH	12,176	17,481	22,561	29,015	35,327	41,639
NEWARK	1,772	2,339	3,302	4,458	6,216	8,300
RHOME	2,304	3,255	4,230	6,765	9,085	11,598
RUNAWAY BAY	1,447	1,631	1,821	2,200	2,500	3,000
WALNUT CREEK SUD	3,540	4,790	6,072	7,487	11,101	14,351
WEST WISE SUD	3,899	4,036	4,177	4,323	4,474	4,631
COUNTY-OTHER	33,674	34,939	35,204	37,470	38,735	60,000
TRINITY BASIN TOTAL	**79,882**	**95,086**	**110,343**	**135,797**	**162,282**	**208,872**
WISE COUNTY TOTAL	**79,882**	**95,086**	**110,343**	**135,797**	**162,282**	**208,872**
REGION C TOTAL POPULATION	**7,637,764**	**8,857,957**	**10,150,077**	**11,533,432**	**13,051,603**	**14,684,790**

TWDB DB22 Report #2 - WUG Water Demand Projections

Region C Water User Group (WUG) Demand

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
B H P WSC	38	55	68	68	69	69
CADDO BASIN SUD	155	188	251	331	425	527
FARMERSVILLE	1	3	7	11	16	23
JOSEPHINE	307	485	676	874	910	910
NEVADA SUD	81	97	112	361	852	1,532
ROYSE CITY	258	1,197	2,137	3,328	4,437	5,838
COUNTY-OTHER	0	0	0	0	1	1
LIVESTOCK	91	91	91	91	91	91
IRRIGATION	94	94	94	94	94	94
SABINE BASIN TOTAL	**1,025**	**2,210**	**3,436**	**5,158**	**6,895**	**9,085**
ALLEN	21,887	23,536	23,806	24,125	24,496	24,902
ANNA	2,389	4,047	6,429	8,336	10,816	14,053
BEAR CREEK SUD	610	948	1,342	1,866	2,336	2,947
BLUE RIDGE	413	687	6,403	14,735	21,025	29,142
CADDO BASIN SUD	103	124	166	220	282	349
CARROLLTON	1	1	2	2	3	3
CELINA	4,420	10,515	15,980	21,784	27,596	33,405
COPEVILLE SUD	327	387	465	638	1,123	1,921
CULLEOKA WSC	597	596	901	1,094	1,237	1,546
DALLAS	15,807	15,886	15,830	15,706	15,681	15,679
DESERT WSC	51	56	64	81	110	144
EAST FORK SUD	1,308	1,407	1,580	1,581	1,638	1,693
FAIRVIEW	4,498	5,162	6,871	7,146	7,223	7,222
FARMERSVILLE	1,035	2,501	5,658	8,629	12,260	17,721
FRISCO	27,373	28,159	33,122	47,994	56,265	60,316
FROGNOT WSC	171	193	232	289	329	366
GARLAND	51	62	76	94	115	137
HICKORY CREEK SUD	10	14	20	28	40	57
LUCAS	2,316	2,613	3,438	3,990	4,455	4,454
MARILEE SUD	675	665	669	666	665	665
MCKINNEY	40,856	44,424	48,984	59,223	70,879	76,807
MELISSA	3,946	12,418	17,365	21,642	24,886	25,745
MILLIGAN WSC	450	511	614	766	870	963
MURPHY	4,441	4,414	4,402	4,393	4,388	4,387
NEVADA SUD	161	192	222	713	1,685	3,031
NORTH COLLIN SUD	818	921	1,055	1,254	1,463	1,685
NORTH FARMERSVILLE WSC	91	104	126	158	180	199
PARKER	3,123	3,096	3,302	3,852	4,239	4,843
PLANO	71,890	71,978	72,314	72,139	72,158	72,907
PRINCETON	1,184	3,964	7,951	9,320	9,303	9,298
PROSPER	4,872	5,600	6,353	7,109	8,896	8,895
RICHARDSON	8,951	8,801	8,683	8,824	9,215	10,055
SACHSE	1,473	1,457	1,448	1,502	1,516	1,516
SEIS LAGOS UD	577	573	571	592	598	598
SOUTH GRAYSON SUD	151	184	242	293	341	388
VERONA SUD	266	301	360	448	509	563
WEST LEONARD WSC	42	47	56	75	107	142

Region C Water User Group (WUG) Demand

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
WESTMINSTER WSC	256	291	350	437	498	552
WYLIE	6,236	6,614	6,926	7,421	7,710	8,491
WYLIE NORTHEAST SUD	674	795	924	1,498	2,238	3,295
COUNTY-OTHER	627	615	606	596	1,180	1,834
MANUFACTURING	2,246	2,602	2,602	2,602	2,602	2,602
STEAM ELECTRIC POWER	40	40	40	40	40	40
LIVESTOCK	821	821	821	821	821	821
IRRIGATION	3,246	3,246	3,246	3,246	3,246	3,246
TRINITY BASIN TOTAL	**241,480**	**271,568**	**312,617**	**367,968**	**417,263**	**459,625**
COLLIN COUNTY TOTAL	**242,505**	**273,778**	**316,053**	**373,126**	**424,158**	**468,710**
CALLISBURG WSC	54	53	52	52	52	53
GAINESVILLE	4	4	4	4	5	8
LINDSAY	1	1	2	2	2	3
TWO WAY SUD	11	12	12	12	13	13
WOODBINE WSC	51	56	61	66	72	78
COUNTY-OTHER	160	167	179	259	326	766
LIVESTOCK	630	630	630	630	630	630
IRRIGATION	332	332	332	332	332	332
RED BASIN TOTAL	**1,243**	**1,255**	**1,272**	**1,357**	**1,432**	**1,883**
BOLIVAR WSC	104	107	109	113	117	121
CALLISBURG WSC	96	93	92	91	92	92
GAINESVILLE	2,652	2,754	2,829	2,931	3,552	4,961
LAKE KIOWA SUD	891	921	938	957	964	976
LINDSAY	172	179	186	204	243	365
MOUNTAIN SPRINGS WSC	445	468	486	506	801	1,279
MUENSTER	268	261	263	260	267	267
WOODBINE WSC	600	651	706	769	839	911
COUNTY-OTHER	583	607	655	945	1,191	2,795
MANUFACTURING	116	128	128	128	128	128
MINING	1,583	900	378	446	511	586
STEAM ELECTRIC POWER	5	5	5	5	5	5
LIVESTOCK	700	700	700	700	700	700
IRRIGATION	768	768	768	768	768	768
TRINITY BASIN TOTAL	**8,983**	**8,542**	**8,243**	**8,823**	**10,178**	**13,954**
COOKE COUNTY TOTAL	**10,226**	**9,797**	**9,515**	**10,180**	**11,610**	**15,837**
ADDISON	6,137	6,486	6,856	7,248	7,657	8,069
BALCH SPRINGS	2,749	2,894	3,066	3,293	3,546	3,808
CARROLLTON	9,532	9,329	9,173	9,087	9,070	9,069
CEDAR HILL	10,660	12,810	14,994	16,201	16,186	16,184
COCKRELL HILL	417	431	415	405	536	1,140
COMBINE WSC	77	90	105	123	145	170
COPPELL	10,828	10,928	10,848	10,793	10,779	10,779
DALLAS	252,895	269,507	303,240	337,114	364,227	377,458
DESOTO	9,422	9,965	10,703	11,575	12,483	12,856
DUNCANVILLE	6,091	6,464	6,322	6,244	6,230	6,229
EAST FORK SUD	454	435	386	472	558	646

Region C Water User Group (WUG) Demand

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
FARMERS BRANCH	9,031	9,448	9,901	10,446	11,020	11,606
FERRIS	1	2	2	3	3	4
GARLAND	41,055	43,805	45,269	45,349	45,528	45,506
GLENN HEIGHTS	1,513	2,002	2,516	3,083	3,644	4,783
GRAND PRAIRIE	26,811	32,615	36,061	35,851	35,799	35,792
HIGHLAND PARK	4,055	4,139	4,105	4,090	4,087	4,087
HUTCHINS	2,186	3,033	3,888	4,748	5,612	6,479
IRVING	55,798	62,288	63,021	62,619	62,535	62,524
LANCASTER	7,670	9,755	11,407	12,634	13,905	15,186
LEWISVILLE	158	155	153	152	152	152
MESQUITE	22,314	23,822	26,318	28,392	30,609	32,880
OVILLA	116	146	178	213	248	429
RICHARDSON	18,508	18,943	19,432	19,895	19,869	19,868
ROCKETT SUD	114	220	323	427	532	638
ROWLETT	9,163	9,793	10,480	11,062	11,534	12,183
SACHSE	3,742	3,702	3,679	3,664	3,659	3,658
SEAGOVILLE	2,061	2,412	2,778	3,161	3,569	3,567
SUNNYVALE	2,234	3,159	4,089	4,710	4,707	4,706
UNIVERSITY PARK	7,612	7,506	7,418	7,370	7,361	7,361
WILMER	423	455	702	1,293	2,027	3,680
WYLIE	350	355	361	369	378	396
COUNTY-OTHER	2,229	2,168	2,180	2,191	2,274	2,335
MANUFACTURING	21,834	23,073	23,073	23,073	23,073	23,073
MINING	3,038	2,656	2,279	1,930	1,922	1,916
STEAM ELECTRIC POWER	1,065	1,065	1,065	1,065	1,065	1,065
LIVESTOCK	758	758	758	758	758	758
IRRIGATION	10,122	10,122	10,122	10,122	10,122	10,122
TRINITY BASIN TOTAL	**563,223**	**606,936**	**657,666**	**701,225**	**737,409**	**761,162**
DALLAS COUNTY TOTAL	**563,223**	**606,936**	**657,666**	**701,225**	**737,409**	**761,162**
ARGYLE WSC	2,659	3,365	4,322	4,319	4,317	4,314
AUBREY	547	711	823	972	1,164	1,412
BLACK ROCK WSC	296	368	433	505	590	668
BOLIVAR WSC	885	1,028	1,212	1,429	1,697	2,007
CARROLLTON	14,723	14,861	14,613	14,476	14,448	14,446
CELINA	154	1,081	3,602	7,692	7,691	7,690
COPPELL	301	297	294	293	292	292
CORINTH	4,269	4,986	4,959	4,942	4,935	4,934
CROSS TIMBERS WSC	1,642	2,060	2,073	2,096	2,128	2,166
DALLAS	6,578	6,987	7,811	8,638	9,301	9,625
DENTON	26,174	33,012	40,885	56,228	80,557	99,143
DENTON COUNTY FWSD 10	1,485	3,128	3,690	3,689	3,687	3,686
DENTON COUNTY FWSD 1-A	3,659	6,493	7,776	7,773	7,771	7,769
DENTON COUNTY FWSD 7	3,418	3,405	3,403	3,401	3,399	3,397
FLOWER MOUND	18,988	20,956	21,288	21,714	22,184	22,855
FORT WORTH	7,190	10,843	15,557	21,833	27,949	34,079
FRISCO	18,353	22,963	28,846	29,181	29,523	29,639

Region C Water User Group (WUG) Demand

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
HACKBERRY	452	578	730	902	1,103	1,332
HIGHLAND VILLAGE	3,835	3,972	3,927	3,902	3,897	3,897
JUSTIN	712	1,242	1,775	1,771	1,770	1,770
KRUM	1,135	1,391	1,703	2,055	2,471	2,947
LAKE CITIES MUNICIPAL UTILITY AUTHORITY	2,153	2,435	2,758	2,962	2,956	2,955
LEWISVILLE	19,984	22,285	25,176	28,536	31,821	31,817
LITTLE ELM	4,075	4,564	4,550	4,538	4,528	4,528
MOUNTAIN SPRINGS WSC	9	10	11	12	13	15
MUSTANG SUD	4,548	8,361	12,201	16,049	19,904	23,762
NORTHLAKE	1,923	4,402	6,197	8,591	10,986	10,985
PALOMA CREEK NORTH	1,700	2,303	2,302	2,301	2,299	2,298
PALOMA CREEK SOUTH	854	1,165	1,165	1,165	1,165	1,165
PILOT POINT	891	1,069	1,449	1,964	2,614	3,527
PLANO	1,918	1,968	1,997	1,986	1,984	1,984
PONDER	388	524	690	878	1,099	1,352
PROSPER	297	1,428	2,556	3,816	4,046	4,046
PROVIDENCE VILLAGE WCID	938	930	929	927	925	925
ROANOKE	2,255	2,797	3,345	3,339	3,337	3,336
SANGER	1,140	1,377	1,672	2,010	2,414	2,878
SOUTHLAKE	419	538	680	840	1,027	1,242
THE COLONY	8,071	8,631	9,105	9,857	9,844	9,841
TROPHY CLUB MUD 1	4,863	4,829	4,811	4,802	4,798	4,797
WESTLAKE	30	39	52	65	79	98
COUNTY-OTHER	1,199	1,537	1,878	4,108	7,241	13,671
MANUFACTURING	374	440	440	440	440	440
MINING	4,326	2,729	3,345	4,306	5,204	6,291
STEAM ELECTRIC POWER	173	173	173	173	173	173
LIVESTOCK	769	769	769	769	769	769
IRRIGATION	3,003	3,003	3,003	3,003	3,003	3,003
TRINITY BASIN TOTAL	**183,755**	**222,033**	**260,976**	**305,248**	**353,543**	**393,966**
DENTON COUNTY TOTAL	**183,755**	**222,033**	**260,976**	**305,248**	**353,543**	**393,966**
AVALON WATER SUPPLY & SEWER SERVICE	149	175	211	286	384	538
BRANDON IRENE WSC	9	11	14	18	22	26
BUENA VISTA-BETHEL SUD	1,282	1,541	1,800	2,299	3,300	4,395
CEDAR HILL	139	174	215	275	275	275
EAST GARRETT WSC	246	306	377	483	592	1,411
ENNIS	4,026	4,625	5,234	7,401	11,887	19,761
FERRIS	460	787	1,069	1,206	1,348	1,492
FILES VALLEY WSC	116	143	175	223	273	332
GLENN HEIGHTS	424	524	646	827	1,013	1,544
GRAND PRAIRIE	9	11	14	18	22	26
HILCO UNITED SERVICES	21	22	22	24	25	26
ITALY	311	380	464	592	749	997
MANSFIELD	30	35	44	64	79	97
MIDLOTHIAN	4,811	7,094	7,408	7,839	8,359	9,231
MOUNTAIN PEAK SUD	2,971	3,733	3,938	5,636	6,517	7,308

Region C Water User Group (WUG) Demand

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
OVILLA	954	1,192	1,473	1,891	2,317	4,264
PALMER	274	334	407	519	662	1,219
RED OAK	1,144	1,265	1,687	2,390	2,936	4,582
RICE WATER SUPPLY AND SEWER SERVICE	701	833	992	1,215	1,456	1,735
ROCKETT SUD	4,505	5,606	6,028	8,000	10,638	13,816
SARDIS LONE ELM WSC	5,304	7,037	8,079	8,324	8,583	8,581
SOUTH ELLIS COUNTY WSC	401	476	579	784	1,053	1,469
VENUS	15	19	23	30	37	45
WAXAHACHIE	6,872	7,702	9,226	11,299	13,749	16,715
COUNTY-OTHER	414	330	467	1,473	4,649	9,576
MANUFACTURING	5,414	6,549	6,549	6,549	6,549	6,549
MINING	931	547	164	123	82	55
STEAM ELECTRIC POWER	901	901	901	901	901	901
LIVESTOCK	1,140	1,140	1,140	1,140	1,140	1,140
IRRIGATION	1,367	1,367	1,367	1,367	1,367	1,367
TRINITY BASIN TOTAL	**45,341**	**54,859**	**60,713**	**73,196**	**90,964**	**119,473**
ELLIS COUNTY TOTAL	**45,341**	**54,859**	**60,713**	**73,196**	**90,964**	**119,473**
ARLEDGE RIDGE WSC	113	123	145	189	276	375
BOIS D ARC MUD	273	297	352	458	672	912
BONHAM	2,024	2,505	3,393	4,598	5,662	6,882
DESERT WSC	1	1	1	1	2	3
HONEY GROVE	61	60	58	58	58	58
LEONARD	3	3	3	3	3	3
SOUTHWEST FANNIN COUNTY SUD	388	413	432	453	542	643
TRENTON	0	0	0	1	2	2
WHITE SHED WSC	301	327	386	501	735	998
WHITEWRIGHT	1	1	2	2	2	2
COUNTY-OTHER	584	465	486	700	1,965	3,404
MANUFACTURING	12	12	12	12	12	12
MINING	435	266	97	97	97	97
LIVESTOCK	1,051	1,051	1,051	1,051	1,051	1,051
IRRIGATION	10,691	10,691	10,691	10,691	10,691	10,691
RED BASIN TOTAL	**15,938**	**16,215**	**17,109**	**18,815**	**21,770**	**25,133**
ARLEDGE RIDGE WSC	44	48	57	74	109	148
DELTA COUNTY MUD	3	3	3	3	3	3
HICKORY CREEK SUD	28	29	31	32	35	39
HONEY GROVE	231	224	219	217	216	216
LADONIA	248	304	332	376	451	451
LEONARD	6	7	7	7	7	7
NORTH HUNT SUD	35	39	41	44	48	52
WOLFE CITY	9	10	13	16	22	29
COUNTY-OTHER	36	29	30	43	121	210
MINING	139	85	31	31	31	31
LIVESTOCK	294	294	294	294	294	294
IRRIGATION	226	226	226	226	226	226
SULPHUR BASIN TOTAL	**1,299**	**1,298**	**1,284**	**1,363**	**1,563**	**1,706**

Region C Water User Group (WUG) Demand

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
DESERT WSC	85	94	98	119	171	253
HICKORY CREEK SUD	2	2	2	2	2	2
LEONARD	319	337	343	353	366	380
SOUTHWEST FANNIN COUNTY SUD	19	20	21	22	27	32
TRENTON	136	166	365	728	1,254	1,778
WEST LEONARD WSC	165	176	165	174	202	249
COUNTY-OTHER	43	35	36	52	146	252
LIVESTOCK	66	66	66	66	66	66
IRRIGATION	636	636	636	636	636	636
TRINITY BASIN TOTAL	**1,471**	**1,532**	**1,732**	**2,152**	**2,870**	**3,648**
FANNIN COUNTY TOTAL	**18,708**	**19,045**	**20,125**	**22,330**	**26,203**	**30,487**
POINT ENTERPRISE WSC	46	47	48	49	51	52
SOUTH FREESTONE COUNTY WSC	40	39	41	55	78	128
TEAGUE	328	340	440	577	694	816
COUNTY-OTHER	49	47	42	51	121	313
MINING	588	562	577	581	589	614
STEAM ELECTRIC POWER	3,585	3,585	3,585	3,585	3,585	3,585
LIVESTOCK	14	14	14	14	14	14
IRRIGATION	61	61	61	61	61	61
BRAZOS BASIN TOTAL	**4,711**	**4,695**	**4,808**	**4,973**	**5,193**	**5,583**
BUTLER WSC	223	218	214	214	215	216
FAIRFIELD	955	948	987	1,730	2,073	2,786
FLO COMMUNITY WSC	58	60	62	63	65	66
PLEASANT GROVE WSC	124	123	129	170	239	386
POINT ENTERPRISE WSC	43	44	44	46	47	49
SOUTH FREESTONE COUNTY WSC	215	212	222	297	422	696
TEAGUE	355	368	477	624	751	883
WORTHAM	169	176	180	184	305	345
COUNTY-OTHER	373	358	319	388	930	2,403
MANUFACTURING	19	19	19	19	19	19
MINING	4,759	4,553	4,674	4,705	4,767	4,968
STEAM ELECTRIC POWER	30,847	30,847	30,847	30,847	30,847	30,847
LIVESTOCK	1,193	1,193	1,193	1,193	1,193	1,193
IRRIGATION	508	508	508	508	508	508
TRINITY BASIN TOTAL	**39,841**	**39,627**	**39,875**	**40,988**	**42,381**	**45,365**
FREESTONE COUNTY TOTAL	**44,552**	**44,322**	**44,683**	**45,961**	**47,574**	**50,948**
BELLS	182	206	232	250	580	783
DENISON	7,226	7,888	7,877	8,598	9,992	13,298
DORCHESTER	83	85	89	92	99	111
HOWE	77	86	95	104	117	130
KENTUCKYTOWN WSC	182	211	241	269	341	437
LUELLA SUD	338	376	415	444	499	583
NORTHWEST GRAYSON COUNTY WCID 1	194	194	199	221	298	418
OAK RIDGE SOUTH GALE WSC	221	209	224	249	335	459
PINK HILL WSC	228	242	236	263	355	486
POTTSBORO	518	655	791	1,030	1,624	2,920

Region C Water User Group (WUG) Demand

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
RED RIVER AUTHORITY OF TEXAS	358	392	421	454	487	467
SHERMAN	10,701	11,043	11,152	12,009	15,825	24,226
SOUTHMAYD	143	153	164	179	240	323
SOUTHWEST FANNIN COUNTY SUD	171	221	289	369	501	656
STARR WSC	242	255	245	273	368	504
TOM BEAN	30	34	37	41	50	75
TWO WAY SUD	440	552	642	769	1,026	1,325
WHITESBORO	218	214	210	205	258	341
WHITEWRIGHT	258	252	247	235	248	276
COUNTY-OTHER	724	584	352	413	1,390	2,284
MANUFACTURING	2,942	3,000	3,000	3,000	3,000	3,000
MINING	312	210	107	123	142	163
LIVESTOCK	731	731	731	731	731	731
IRRIGATION	2,479	2,479	2,479	2,479	2,479	2,479
RED BASIN TOTAL	**28,998**	**30,272**	**30,475**	**32,800**	**40,985**	**56,475**
COLLINSVILLE	282	333	395	473	498	653
DESERT WSC	78	83	89	95	105	114
DORCHESTER	40	41	43	44	48	53
GUNTER	297	400	527	656	803	936
HOWE	197	220	244	266	299	334
KENTUCKYTOWN WSC	173	201	228	256	324	415
LUELLA SUD	49	54	60	64	72	84
MARILEE SUD	458	490	512	510	509	509
MUSTANG SUD	40	39	40	40	41	41
SOUTH GRAYSON SUD	355	373	420	435	458	472
TIOGA	165	175	184	196	430	589
TOM BEAN	207	230	252	279	344	515
TWO WAY SUD	242	303	353	423	564	728
VAN ALSTYNE	518	710	983	1,258	2,420	3,047
WESTMINSTER WSC	3	3	4	5	5	6
WHITESBORO	251	247	243	236	299	394
WHITEWRIGHT	2	2	2	2	2	2
WOODBINE WSC	8	9	10	10	12	13
COUNTY-OTHER	23	18	11	13	44	72
MANUFACTURING	9	9	9	9	9	9
STEAM ELECTRIC POWER	4,387	4,387	4,387	4,387	4,387	4,387
LIVESTOCK	412	412	412	412	412	412
IRRIGATION	1,998	1,998	1,998	1,998	1,998	1,998
TRINITY BASIN TOTAL	**10,194**	**10,737**	**11,406**	**12,067**	**14,083**	**15,783**
GRAYSON COUNTY TOTAL	**39,192**	**41,009**	**41,881**	**44,867**	**55,068**	**72,258**
ATHENS	2,906	3,174	3,400	3,730	6,394	9,484
B B S WSC	3	3	3	3	3	3
BETHEL ASH WSC	215	234	251	276	300	323
CRESCENT HEIGHTS WSC	163	166	174	186	233	296
DOGWOOD ESTATES WATER	183	190	202	217	273	346
EAST CEDAR CREEK FWSD	1,351	1,500	1,669	1,853	2,059	2,288
EUSTACE	126	132	140	203	263	315

Region C Water User Group (WUG) Demand

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MABANK	736	806	880	1,144	1,593	2,218
MALAKOFF	274	272	270	274	289	309
TRINIDAD	105	99	96	96	107	128
VIRGINIA HILL WSC	230	251	270	300	330	371
WEST CEDAR CREEK MUD	938	968	996	1,046	1,311	1,647
COUNTY-OTHER	304	220	226	139	53	113
MANUFACTURING	806	985	985	985	985	985
MINING	434	506	481	484	479	469
STEAM ELECTRIC POWER	3,709	3,709	3,709	3,709	3,709	3,709
LIVESTOCK	1,261	1,261	1,261	1,261	1,261	1,261
IRRIGATION	582	582	582	582	582	582
TRINITY BASIN TOTAL	**14,326**	**15,058**	**15,595**	**16,488**	**20,224**	**24,847**
HENDERSON COUNTY TOTAL	**14,326**	**15,058**	**15,595**	**16,488**	**20,224**	**24,847**
COUNTY-OTHER	237	244	247	247	250	253
MANUFACTURING	1	1	1	1	1	1
MINING	1,358	728	679	692	707	745
LIVESTOCK	226	226	226	226	226	226
IRRIGATION	24	24	24	24	24	24
BRAZOS BASIN TOTAL	**1,846**	**1,223**	**1,177**	**1,190**	**1,208**	**1,249**
JACKSBORO	682	707	720	726	735	741
COUNTY-OTHER	308	316	319	321	324	327
MINING	2,038	1,093	1,019	1,039	1,061	1,117
STEAM ELECTRIC POWER	3,772	3,772	3,772	3,772	3,772	3,772
LIVESTOCK	559	559	559	559	559	559
IRRIGATION	74	74	74	74	74	74
TRINITY BASIN TOTAL	**7,433**	**6,521**	**6,463**	**6,491**	**6,525**	**6,590**
JACK COUNTY TOTAL	**9,279**	**7,744**	**7,640**	**7,681**	**7,733**	**7,839**
ABLES SPRINGS WSC	169	209	252	317	386	462
MACBEE SUD	16	19	24	30	36	43
POETRY WSC	50	61	74	97	131	177
COUNTY-OTHER	20	35	39	39	160	366
MINING	15	20	25	33	40	48
LIVESTOCK	48	48	48	48	48	48
IRRIGATION	1	1	1	1	1	1
SABINE BASIN TOTAL	**319**	**393**	**463**	**565**	**802**	**1,145**
ABLES SPRINGS WSC	134	166	200	250	306	365
BECKER JIBA WSC	323	401	480	669	933	1,243
COLLEGE MOUND WSC	774	959	1,156	1,451	2,132	2,700
COMBINE WSC	275	318	365	442	526	616
CRANDALL	763	926	1,104	1,368	1,381	1,381
ELMO WSC	216	268	320	421	586	782
FORNEY	3,090	3,554	4,509	5,634	8,343	11,114
FORNEY LAKE WSC	1,137	1,391	1,666	2,083	3,552	5,102
GASTONIA SCURRY SUD	710	880	1,058	1,354	2,265	3,533
HIGH POINT WSC	391	462	542	668	1,003	1,296
KAUFMAN	1,280	1,533	1,841	2,875	3,752	4,602

Region C Water User Group (WUG) Demand

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
KAUFMAN COUNTY DEVELOPMENT DISTRICT 1	879	1,120	1,361	1,804	2,520	3,361
KAUFMAN COUNTY MUD 11	608	730	883	1,077	1,318	1,616
KEMP	301	364	433	540	836	1,170
MABANK	1,198	1,299	1,388	1,862	2,620	3,648
MACBEE SUD	2	3	3	4	5	6
MARKOUT WSC	415	526	637	843	1,177	1,569
MESQUITE	20	25	29	36	44	52
NORTH KAUFMAN WSC	192	245	300	400	559	746
POETRY WSC	50	60	72	96	129	173
ROSE HILL SUD	441	523	613	773	1,022	1,569
SEAGOVILLE	3	4	5	6	7	8
TALTY SUD	1,800	2,061	2,363	3,312	4,609	6,352
TERRELL	3,857	7,237	9,786	11,370	12,658	14,741
WEST CEDAR CREEK MUD	276	306	337	394	451	511
COUNTY-OTHER	152	275	301	303	1,247	2,854
MANUFACTURING	946	1,109	1,109	1,109	1,109	1,109
MINING	281	366	466	613	743	903
STEAM ELECTRIC POWER	9,793	9,793	9,793	9,793	9,793	9,793
LIVESTOCK	1,522	1,522	1,522	1,522	1,522	1,522
IRRIGATION	284	284	284	284	284	284
TRINITY BASIN TOTAL	**32,113**	**38,710**	**44,926**	**53,356**	**67,432**	**84,721**
KAUFMAN COUNTY TOTAL	**32,432**	**39,103**	**45,389**	**53,921**	**68,234**	**85,866**
B AND B WSC	242	242	255	293	355	440
BLOOMING GROVE	163	175	187	204	223	243
BRANDON IRENE WSC	25	27	29	31	34	37
CHATFIELD WSC	428	465	503	544	591	639
CORBET WSC	250	264	280	303	331	361
CORSICANA	6,104	6,582	7,101	7,750	8,472	9,253
DAWSON	149	151	155	159	165	172
KERENS	216	227	241	263	288	314
M E N WSC	487	523	564	615	672	734
NAVARRO MILLS WSC	333	352	376	407	444	485
PLEASANT GROVE WSC	11	11	11	15	21	34
POST OAK SUD	52	53	54	59	65	74
RICE WATER SUPPLY AND SEWER SERVICE	438	523	625	736	882	1,051
SOUTH ELLIS COUNTY WSC	15	18	22	29	38	54
COUNTY-OTHER	261	424	474	628	787	1,579
MANUFACTURING	894	1,062	1,062	1,062	1,062	1,062
MINING	1,193	1,238	1,282	1,572	1,806	2,076
LIVESTOCK	1,691	1,691	1,691	1,691	1,691	1,691
IRRIGATION	75	75	75	75	75	75
TRINITY BASIN TOTAL	**13,027**	**14,103**	**14,987**	**16,436**	**18,002**	**20,374**
NAVARRO COUNTY TOTAL	**13,027**	**14,103**	**14,987**	**16,436**	**18,002**	**20,374**
HORSESHOE BEND WATER SYSTEM	157	192	213	265	346	453
MINERAL WELLS	343	330	318	308	300	292
NORTH RURAL WSC	75	77	78	79	82	83

Region C Water User Group (WUG) Demand

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
PARKER COUNTY SUD	718	1,106	1,495	1,886	2,282	2,679
SANTO SUD	12	12	13	13	14	15
WEATHERFORD	297	348	369	612	1,001	1,378
COUNTY-OTHER	3,860	3,660	2,934	4,568	7,090	10,370
MINING	1,973	2,498	2,484	2,525	2,557	2,706
LIVESTOCK	948	948	948	948	948	948
IRRIGATION	591	591	591	591	591	591
BRAZOS BASIN TOTAL	**8,974**	**9,762**	**9,443**	**11,795**	**15,211**	**19,515**
ALEDO	862	1,322	1,505	1,727	1,802	2,026
ANNETTA	431	496	565	637	712	787
AZLE	386	407	430	457	551	705
FORT WORTH	12,462	19,277	21,579	24,131	25,713	27,314
HUDSON OAKS	1,375	1,875	1,922	1,919	1,918	1,918
RENO (Parker)	170	172	176	179	184	189
SPRINGTOWN	903	1,196	1,189	1,184	1,183	1,183
WALNUT CREEK SUD	1,331	1,517	1,581	2,254	3,326	4,353
WEATHERFORD	5,009	5,865	6,217	10,316	16,869	23,236
WILLOW PARK	856	1,243	1,509	1,853	2,367	2,661
COUNTY-OTHER	2,754	2,612	2,093	3,260	5,060	7,400
MANUFACTURING	87	103	103	103	103	103
MINING	1,209	1,531	1,522	1,548	1,567	1,658
STEAM ELECTRIC POWER	604	604	604	604	604	604
LIVESTOCK	686	686	686	686	686	686
IRRIGATION	182	182	182	182	182	182
TRINITY BASIN TOTAL	**29,307**	**39,088**	**41,863**	**51,040**	**62,827**	**75,005**
PARKER COUNTY TOTAL	**38,281**	**48,850**	**51,306**	**62,835**	**78,038**	**94,520**
B H P WSC	23	26	32	41	54	73
BEAR CREEK SUD	41	50	68	88	176	371
BLACKLAND WSC	393	437	463	472	531	572
CASH SUD	140	176	217	260	309	362
FATE	1,513	1,947	2,615	3,449	4,191	4,652
NEVADA SUD	8	9	11	42	105	189
ROYSE CITY	1,049	1,096	1,114	2,657	4,498	4,989
COUNTY-OTHER	147	206	210	196	217	336
MANUFACTURING	31	36	36	36	36	36
LIVESTOCK	55	55	55	55	55	55
IRRIGATION	54	54	54	54	54	54
SABINE BASIN TOTAL	**3,454**	**4,092**	**4,875**	**7,350**	**10,226**	**11,689**
BEAR CREEK SUD	38	46	62	81	161	340
BLACKLAND WSC	463	515	546	558	628	676
DALLAS	17	22	28	34	41	49
EAST FORK SUD	151	203	263	325	403	484
FATE	1,305	1,679	2,254	2,973	3,612	4,011
FORNEY LAKE WSC	124	153	188	223	267	312
GARLAND	0	1	1	1	1	1
HEATH	3,946	5,563	6,992	7,078	7,397	7,718
HIGH POINT WSC	51	61	73	88	132	172

Region C Water User Group (WUG) Demand

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MOUNT ZION WSC	501	615	740	886	1,061	1,241
R C H WSC	900	1,234	1,432	1,736	2,246	2,737
ROCKWALL	9,902	14,346	21,079	22,002	23,798	25,611
ROWLETT	1,168	1,143	1,128	1,120	1,137	1,145
WYLIE	520	527	537	548	570	603
COUNTY-OTHER	254	356	363	338	375	581
LIVESTOCK	56	56	56	56	56	56
IRRIGATION	180	180	180	180	180	180
TRINITY BASIN TOTAL	**19,576**	**26,700**	**35,922**	**38,227**	**42,065**	**45,917**
ROCKWALL COUNTY TOTAL	**23,030**	**30,792**	**40,797**	**45,577**	**52,291**	**57,606**
ARLINGTON	66,810	68,113	68,511	69,419	69,282	69,277
AZLE	1,546	1,629	1,721	1,829	2,203	2,822
BEDFORD	9,202	9,679	10,191	10,785	10,768	10,768
BENBROOK WATER AUTHORITY	5,164	5,614	6,081	6,797	7,544	7,544
BETHESDA WSC	2,225	2,448	2,678	2,914	3,164	3,412
BURLESON	1,275	1,299	1,425	1,982	2,402	2,683
COLLEYVILLE	9,211	9,693	10,313	10,656	10,648	10,648
COMMUNITY WSC	338	360	384	419	455	490
CROWLEY	2,409	2,753	3,244	3,874	4,945	5,647
DALWORTHINGTON GARDENS	908	918	929	943	962	980
EDGECLIFF	503	490	480	474	473	473
EULESS	9,062	9,298	9,116	9,016	8,997	8,996
EVERMAN	529	527	513	501	499	499
FLOWER MOUND	61	67	67	67	67	67
FOREST HILL	1,359	1,377	1,445	1,699	2,159	2,811
FORT WORTH	167,062	201,103	244,833	265,334	283,569	302,202
GRAND PRAIRIE	8,366	8,180	8,079	8,032	8,021	8,019
GRAPEVINE	18,406	18,806	18,665	18,589	18,574	18,573
HALTOM CITY	5,238	5,179	5,260	5,619	6,039	6,581
HASLET	570	1,730	2,513	4,447	4,443	4,443
HURST	6,696	6,687	6,551	6,476	6,463	6,462
JOHNSON COUNTY SUD	341	362	396	433	472	512
KELLER	12,339	13,148	13,073	13,028	13,013	13,012
KENNEDALE	1,420	1,596	1,850	2,133	2,425	2,720
LAKE WORTH	1,130	1,241	1,354	1,558	1,825	2,486
LAKESIDE	370	378	388	399	398	398
MANSFIELD	18,494	23,328	27,730	34,279	39,293	44,295
NORTH RICHLAND HILLS	12,812	13,457	13,254	13,140	13,116	13,115
PANTEGO	686	674	664	658	657	657
PELICAN BAY	113	115	117	120	122	124
RENO (Parker)	1	1	2	2	3	3
RICHLAND HILLS	1,148	1,185	1,228	1,371	1,512	1,700
RIVER OAKS	856	823	796	781	778	778
SAGINAW	3,169	3,528	3,903	4,087	4,080	4,079
SANSOM PARK	534	544	591	617	649	683
SOUTHLAKE	11,036	12,275	14,265	16,269	18,287	20,314

Region C Water User Group (WUG) Demand

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
WATAUGA	2,844	2,740	2,655	2,608	2,600	2,599
WESTLAKE	1,752	4,845	7,930	8,862	8,846	8,827
WESTOVER HILLS	929	949	968	990	1,013	1,033
WESTWORTH VILLAGE	401	423	447	475	506	538
WHITE SETTLEMENT	2,081	2,107	2,145	2,472	3,132	3,797
COUNTY-OTHER	7,212	6,774	6,296	9,847	12,753	17,316
MANUFACTURING	12,197	13,301	13,301	13,301	13,301	13,301
MINING	11,535	6,562	1,589	1,537	1,497	1,464
STEAM ELECTRIC POWER	1,157	4,948	4,948	4,948	4,948	4,948
LIVESTOCK	627	627	627	627	627	627
IRRIGATION	4,926	4,926	4,926	4,926	4,926	4,926
TRINITY BASIN TOTAL	**427,050**	**476,807**	**528,442**	**569,340**	**602,456**	**637,649**
TARRANT COUNTY TOTAL	**427,050**	**476,807**	**528,442**	**569,340**	**602,456**	**637,649**
ALVORD	228	274	322	392	448	504
BOLIVAR WSC	79	87	96	107	120	134
BOYD	217	229	316	391	547	593
BRIDGEPORT	1,273	1,526	1,793	2,456	3,268	4,083
CHICO	278	286	296	551	700	875
DECATUR	2,319	3,149	4,060	5,240	6,157	7,156
FORT WORTH	2,396	3,374	4,308	5,516	6,708	7,903
NEWARK	194	248	344	462	643	857
RHOME	397	552	712	1,135	1,523	1,943
RUNAWAY BAY	527	588	652	785	891	1,069
WALNUT CREEK SUD	265	343	425	518	763	985
WEST WISE SUD	478	478	481	490	506	523
COUNTY-OTHER	4,043	4,077	4,016	4,195	4,318	6,680
MANUFACTURING	454	501	501	501	501	501
MINING	10,320	11,159	12,337	13,975	15,378	17,694
STEAM ELECTRIC POWER	2,894	2,894	2,894	2,894	2,894	2,894
LIVESTOCK	1,198	1,198	1,198	1,198	1,198	1,198
IRRIGATION	1,406	1,406	1,406	1,406	1,406	1,406
TRINITY BASIN TOTAL	**28,966**	**32,369**	**36,157**	**42,212**	**47,969**	**56,998**
WISE COUNTY TOTAL	**28,966**	**32,369**	**36,157**	**42,212**	**47,969**	**56,998**
REGION C TOTAL DEMAND	**1,733,893**	**1,936,605**	**2,151,925**	**2,390,623**	**2,641,476**	**2,898,540**

TWDB DB22 Report #3 - WUG Category Summary

Region C Water User Group (WUG) Category Summary*

MUNICIPAL	2020	2030	2040	2050	2060	2070
POPULATION	7,467,734	8,686,058	9,984,797	11,284,183	12,643,504	13,990,309
DEMAND (acre-feet per year)	1,488,059	1,691,127	1,912,520	2,137,840	2,366,973	2,585,738
EXISTING SUPPLIES (acre-feet per year)	1,440,796	1,367,363	1,392,439	1,397,246	1,404,998	1,396,644
NEEDS (acre-feet per year)	52,427	328,793	524,315	743,672	964,033	1,190,286

COUNTY-OTHER	2020	2030	2040	2050	2060	2070
POPULATION	170,030	171,899	165,280	249,249	408,099	694,481
DEMAND (acre-feet per year)	26,596	26,159	24,759	35,313	54,213	88,091
EXISTING SUPPLIES (acre-feet per year)	29,126	28,542	27,524	32,148	37,405	47,072
NEEDS (acre-feet per year)	428	503	1,130	5,054	16,950	41,019

MANUFACTURING	2020	2030	2040	2050	2060	2070
DEMAND (acre-feet per year)	48,382	52,930	52,930	52,930	52,930	52,930
EXISTING SUPPLIES (acre-feet per year)	47,481	48,429	45,702	42,456	39,508	36,559
NEEDS (acre-feet per year)	1,593	5,002	7,713	10,948	13,471	16,393

MINING	2020	2030	2040	2050	2060	2070
DEMAND (acre-feet per year)	46,467	38,209	33,536	36,360	39,180	43,601
EXISTING SUPPLIES (acre-feet per year)	41,281	35,968	33,672	34,171	34,309	34,488
NEEDS (acre-feet per year)	6,236	6,407	7,247	9,474	12,144	16,396

STEAM ELECTRIC POWER	2020	2030	2040	2050	2060	2070
DEMAND (acre-feet per year)	62,932	66,723	66,723	66,723	66,723	66,723
EXISTING SUPPLIES (acre-feet per year)	62,403	63,410	61,604	60,594	60,019	59,236
NEEDS (acre-feet per year)	7,195	9,907	11,633	12,586	13,130	13,887

LIVESTOCK	2020	2030	2040	2050	2060	2070
DEMAND (acre-feet per year)	17,547	17,547	17,547	17,547	17,547	17,547
EXISTING SUPPLIES (acre-feet per year)	19,610	19,610	19,610	19,610	19,610	19,610
NEEDS (acre-feet per year)	512	512	512	512	512	512

IRRIGATION	2020	2030	2040	2050	2060	2070
DEMAND (acre-feet per year)	43,910	43,910	43,910	43,910	43,910	43,910
EXISTING SUPPLIES (acre-feet per year)	49,068	48,651	48,115	47,290	46,828	46,346
NEEDS (acre-feet per year)	7,405	7,406	7,406	7,686	7,825	8,028

*WUG supplies and projected demands are entered for each of a WUG's region-county-basin divisions. The needs shown in the WUG Category Summary report are calculated by first deducting the WUG split's projected demand from its total existing water supply volume. If the WUG split has a greater existing supply volume than projected demand in any given decade, this amount is considered a surplus volume. Before aggregating the difference between supplies and demands to the WUG category level, calculated surpluses are updated to zero so that only the WUGs with needs in the decade are included with the Needs totals.

TWDB Report #4 – Source Water Availability

Region C Source Availability

GROUNDWATER SOURCE TYPE				SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY *	2020	2030	2040	2050	2060	2070
CARRIZO-WILCOX AQUIFER	FREESTONE	BRAZOS	FRESH	1,333	1,343	1,362	1,374	1,400	1,400
CARRIZO-WILCOX AQUIFER	FREESTONE	TRINITY	FRESH	7,713	7,924	8,122	8,290	8,498	8,498
CARRIZO-WILCOX AQUIFER	HENDERSON	TRINITY	FRESH	7,829	7,829	7,829	7,732	7,577	7,548
CARRIZO-WILCOX AQUIFER	NAVARRO	TRINITY	FRESH	15	15	15	15	15	15
CROSS TIMBERS AQUIFER	JACK	BRAZOS	FRESH	284	284	284	284	284	284
CROSS TIMBERS AQUIFER	JACK	TRINITY	FRESH	650	650	650	650	650	650
CROSS TIMBERS AQUIFER	PARKER	BRAZOS	FRESH	50	50	50	50	50	50
NACATOCH AQUIFER	ELLIS	TRINITY	FRESH	20	20	20	20	20	20
NACATOCH AQUIFER	KAUFMAN	SABINE	FRESH	49	49	49	49	49	49
NACATOCH AQUIFER	KAUFMAN	TRINITY	FRESH	877	877	877	877	877	877
NACATOCH AQUIFER	NAVARRO	TRINITY	FRESH	980	980	980	980	980	980
NACATOCH AQUIFER	ROCKWALL	SABINE	FRESH	0	0	0	0	0	0
NACATOCH AQUIFER	ROCKWALL	TRINITY	FRESH	13	13	13	13	13	13
OTHER AQUIFER	FANNIN	RED	FRESH	2,919	2,919	2,919	2,919	2,919	2,919
OTHER AQUIFER	NAVARRO	TRINITY	FRESH	435	435	435	435	435	435
QUEEN CITY AQUIFER	FREESTONE	TRINITY	FRESH	0	0	0	0	0	0
QUEEN CITY AQUIFER	HENDERSON	TRINITY	FRESH	3,345	3,345	3,345	3,345	3,345	3,345
TRINITY AQUIFER	COLLIN	SABINE	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	COLLIN	TRINITY	FRESH	5,807	5,792	5,807	5,792	5,807	5,792
TRINITY AQUIFER	COOKE	RED	FRESH	2,191	2,184	2,191	2,184	2,191	2,184
TRINITY AQUIFER	COOKE	TRINITY	FRESH	8,353	8,330	8,353	8,330	8,353	8,330
TRINITY AQUIFER	DALLAS	TRINITY	FRESH	3,699	3,688	3,699	3,688	3,699	3,688
TRINITY AQUIFER	DENTON	TRINITY	FRESH	30,151	30,068	30,151	30,068	30,151	30,068
TRINITY AQUIFER	ELLIS	TRINITY	FRESH	5,539	5,524	5,539	5,524	5,539	5,524
TRINITY AQUIFER	FANNIN	RED	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	FANNIN	SULPHUR	FRESH	2,092	2,087	2,092	2,087	2,092	2,087
TRINITY AQUIFER	FANNIN	TRINITY	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	GRAYSON	RED	FRESH	6,678	6,660	6,678	6,660	6,678	6,660
TRINITY AQUIFER	GRAYSON	TRINITY	FRESH	4,059	4,048	4,059	4,048	4,059	4,048
TRINITY AQUIFER	KAUFMAN	SABINE	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	KAUFMAN	TRINITY	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	NAVARRO	TRINITY	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	PARKER	BRAZOS	FRESH	2,232	2,226	2,232	2,226	2,232	2,226
TRINITY AQUIFER	PARKER	TRINITY	FRESH	9,665	9,637	9,665	9,637	9,665	9,637
TRINITY AQUIFER	ROCKWALL	SABINE	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	ROCKWALL	TRINITY	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	TARRANT	TRINITY	FRESH	17,964	17,915	17,964	17,915	17,964	17,915
TRINITY AQUIFER	WISE	TRINITY	FRESH	9,760	9,734	9,760	9,734	9,760	9,734
WOODBINE AQUIFER	COLLIN	SABINE	FRESH	0	0	0	0	0	0
WOODBINE AQUIFER	COLLIN	TRINITY	FRESH	4,263	4,251	4,263	4,251	4,263	4,251
WOODBINE AQUIFER	COOKE	RED	FRESH	262	261	262	261	262	261
WOODBINE AQUIFER	COOKE	TRINITY	FRESH	540	538	540	538	540	538
WOODBINE AQUIFER	DALLAS	TRINITY	FRESH	2,804	2,796	2,804	2,796	2,804	2,796
WOODBINE AQUIFER	DENTON	TRINITY	FRESH	3,616	3,607	3,616	3,607	3,616	3,607

*Salinity field indicates whether the source availability is considered 'fresh' (less than 1,000 mg/L), 'brackish' (1,000 to 10,000 mg/L), 'saline' (10,001 mg/L to 34,999 mg/L), or 'seawater' (35,000 mg/L or greater). Sources can also be labeled as 'fresh/brackish' or 'brackish/saline', if a combination of the salinity types is appropriate.

Region C Source Availability

GROUNDWATER SOURCE TYPE				SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY *	2020	2030	2040	2050	2060	2070
WOODBINE AQUIFER	ELLIS	TRINITY	FRESH	2,078	2,073	2,078	2,073	2,078	2,073
WOODBINE AQUIFER	FANNIN	RED	FRESH	3,553	3,544	3,553	3,544	3,553	3,544
WOODBINE AQUIFER	FANNIN	SULPHUR	FRESH	551	550	551	550	551	550
WOODBINE AQUIFER	FANNIN	TRINITY	FRESH	829	827	829	827	829	827
WOODBINE AQUIFER	GRAYSON	RED	FRESH	5,615	5,599	5,615	5,599	5,615	5,599
WOODBINE AQUIFER	GRAYSON	TRINITY	FRESH	1,926	1,922	1,926	1,922	1,926	1,922
WOODBINE AQUIFER	KAUFMAN	SABINE	FRESH	0	0	0	0	0	0
WOODBINE AQUIFER	KAUFMAN	TRINITY	FRESH	0	0	0	0	0	0
WOODBINE AQUIFER	NAVARRO	TRINITY	FRESH	68	68	68	68	68	68
WOODBINE AQUIFER	ROCKWALL	SABINE	FRESH	0	0	0	0	0	0
WOODBINE AQUIFER	ROCKWALL	TRINITY	FRESH	0	0	0	0	0	0
WOODBINE AQUIFER	TARRANT	TRINITY	FRESH	1,141	1,138	1,141	1,138	1,141	1,138
GROUNDWATER TOTAL SOURCE AVAILABILITY				**161,948**	**161,800**	**162,386**	**162,100**	**162,548**	**162,150**

REUSE SOURCE TYPE				SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY *	2020	2030	2040	2050	2060	2070
DIRECT REUSE	COLLIN	TRINITY	FRESH	3,498	3,498	3,498	3,498	3,498	3,498
DIRECT REUSE	COOKE	TRINITY	FRESH	4	4	4	4	4	4
DIRECT REUSE	DALLAS	TRINITY	FRESH	29,271	29,271	29,271	29,271	29,271	29,271
DIRECT REUSE	DENTON	TRINITY	FRESH	2,135	2,135	2,135	2,135	2,135	2,135
DIRECT REUSE	ELLIS	TRINITY	FRESH	919	919	919	919	919	919
DIRECT REUSE	HENDERSON	TRINITY	FRESH	32	32	32	32	32	32
DIRECT REUSE	JACK	TRINITY	FRESH	27	26	26	25	25	24
DIRECT REUSE	KAUFMAN	TRINITY	FRESH	9,734	9,829	9,933	9,954	9,954	9,954
DIRECT REUSE	PARKER	TRINITY	FRESH	141	160	182	198	217	237
DIRECT REUSE	ROCKWALL	TRINITY	FRESH	672	672	672	672	672	672
DIRECT REUSE	TARRANT	TRINITY	FRESH	4,666	4,723	4,723	4,723	4,723	4,723
DIRECT REUSE	WISE	TRINITY	FRESH	6,261	6,261	6,348	7,495	8,477	10,098
INDIRECT REUSE	COLLIN	TRINITY	FRESH	46,823	58,826	72,500	87,567	101,903	114,587
INDIRECT REUSE	DALLAS	TRINITY	FRESH	104,119	110,000	110,000	110,000	110,000	110,000
INDIRECT REUSE	DENTON	TRINITY	FRESH	49,383	50,730	58,747	71,680	86,091	95,772
INDIRECT REUSE	ELLIS	TRINITY	FRESH	3,479	3,882	4,614	5,129	5,129	5,129
INDIRECT REUSE	NAVARRO	TRINITY	FRESH	100,465	100,465	100,465	100,465	100,465	100,465
INDIRECT REUSE	PARKER	TRINITY	FRESH	2,242	2,803	3,363	3,363	3,363	3,363
INDIRECT REUSE	TARRANT	TRINITY	FRESH	3,295	3,659	3,698	3,683	3,680	3,679
REUSE TOTAL SOURCE AVAILABILITY				**367,166**	**387,895**	**411,130**	**440,813**	**470,558**	**494,562**

SURFACE WATER SOURCE TYPE				SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY *	2020	2030	2040	2050	2060	2070
BARDWELL LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	9,600	9,295	8,863	8,432	8,000	7,568
BONHAM LAKE/RESERVOIR	RESERVOIR	RED	FRESH	5,340	5,340	5,340	5,340	5,340	5,340
BRAZOS LIVESTOCK LOCAL SUPPLY	FREESTONE	BRAZOS	FRESH	83	83	83	83	83	83
BRAZOS LIVESTOCK LOCAL SUPPLY	JACK	BRAZOS	FRESH	231	231	231	231	231	231
BRAZOS LIVESTOCK LOCAL SUPPLY	PARKER	BRAZOS	FRESH	903	903	903	903	903	903

*Salinity field indicates whether the source availability is considered 'fresh' (less than 1,000 mg/L), 'brackish' (1,000 to 10,000 mg/L), 'saline' (10,001 mg/L to 34,999 mg/L), or 'seawater' (35,000 mg/L or greater). Sources can also be labeled as 'fresh/brackish' or 'brackish/saline', if a combination of the salinity types is appropriate.

Region C Source Availability

SURFACE WATER SOURCE TYPE				SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY *	2020	2030	2040	2050	2060	2070
BRAZOS OTHER LOCAL SUPPLY	PARKER	BRAZOS	FRESH	14	14	14	14	14	14
BRAZOS RUN-OF-RIVER	PARKER	BRAZOS	FRESH	117	117	117	117	117	117
BRYSON LAKE/RESERVOIR	RESERVOIR	BRAZOS	FRESH	0	0	0	0	0	0
CLARK LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	210	210	210	210	210	210
FAIRFIELD LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	870	870	870	870	870	870
FOREST GROVE LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	8,653	8,590	8,527	8,463	8,400	8,337
GRAPEVINE LAKE/RESERVOIR NON-SYSTEM PORTION	RESERVOIR	TRINITY	FRESH	18,819	18,786	18,660	18,457	18,253	18,050
HALBERT LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	0	0	0	0	0	0
HUBERT H MOSS LAKE/RESERVOIR	RESERVOIR	RED	FRESH	7,410	7,410	7,410	7,410	7,410	7,410
JOE POOL LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	14,883	14,575	14,267	13,958	13,650	13,342
LEWISVILLE LAKE/RESERVOIR NON-SYSTEM PORTION	RESERVOIR	TRINITY	FRESH	7,817	7,817	7,817	7,817	7,698	7,550
LOST CREEK-JACKSBORO LAKE/RESERVOIR SYSTEM	RESERVOIR	TRINITY	FRESH	1,597	1,597	1,597	1,597	1,597	1,597
MINERAL WELLS LAKE/RESERVOIR	RESERVOIR	BRAZOS	FRESH	2,495	2,483	2,470	2,458	2,445	2,433
MOUNTAIN CREEK LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	6,400	6,400	6,400	6,400	6,400	6,400
MUENSTER LAKE/RESERVOIR	RESERVOIR	RED	FRESH	300	300	300	300	300	300
NAVARRO MILLS LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	18,333	17,325	16,317	15,308	14,300	13,292
NORTH TEXAS MWD RESERVOIR/SYSTEM	RESERVOIR	TRINITY	FRESH	346,371	344,688	343,004	341,320	339,637	337,953
RANDELL LAKE/RESERVOIR	RESERVOIR	RED	FRESH	1,400	1,400	1,400	1,400	1,400	1,400
RAY HUBBARD LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	55,730	54,828	53,926	53,024	52,122	51,220
RAY ROBERTS LAKE/RESERVOIR NON-SYSTEM PORTION	RESERVOIR	TRINITY	FRESH	18,902	18,853	18,676	18,500	18,324	18,148
RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	RESERVOIR	TRINITY	FRESH	180,342	172,947	165,552	157,933	150,292	142,651
RED LIVESTOCK LOCAL SUPPLY	COOKE	RED	FRESH	380	380	380	380	380	380
RED LIVESTOCK LOCAL SUPPLY	FANNIN	RED	FRESH	973	973	973	973	973	973
RED LIVESTOCK LOCAL SUPPLY	GRAYSON	RED	FRESH	688	688	688	688	688	688
RED RUN-OF-RIVER	FANNIN	RED	FRESH	4,685	4,685	4,685	4,685	4,685	4,685
RED RUN-OF-RIVER	GRAYSON	RED	FRESH	1,121	1,121	1,121	1,121	1,121	1,121
RICHLAND CHAMBERS LAKE/RESERVOIR NON-SYSTEM PORTION	RESERVOIR	TRINITY	FRESH	13,863	13,855	13,847	13,838	13,830	13,822
SABINE LIVESTOCK LOCAL SUPPLY	COLLIN	SABINE	FRESH	31	31	31	31	31	31
SABINE LIVESTOCK LOCAL SUPPLY	KAUFMAN	SABINE	FRESH	98	98	98	98	98	98
SABINE LIVESTOCK LOCAL SUPPLY	ROCKWALL	SABINE	FRESH	58	58	58	58	58	58
SULPHUR LIVESTOCK LOCAL SUPPLY	FANNIN	SULPHUR	FRESH	272	272	272	272	272	272
SULPHUR RUN-OF-RIVER	FANNIN	SULPHUR	FRESH	49	49	49	49	49	49
TEAGUE CITY LAKE/RESERVOIR	RESERVOIR	BRAZOS	FRESH	189	189	189	189	189	189
TERRELL LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	2,267	2,250	2,233	2,217	2,200	2,183
TEXOMA LAKE/RESERVOIR NON-SYSTEM PORTION	RESERVOIR	RED	FRESH	126,250	126,250	126,250	126,250	126,250	126,250
TRINIDAD CITY LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	450	450	450	450	450	450
TRINIDAD LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	3,050	3,050	3,050	3,050	3,050	3,050
TRINITY LIVESTOCK LOCAL SUPPLY	COLLIN	TRINITY	FRESH	971	971	971	971	971	971
TRINITY LIVESTOCK LOCAL SUPPLY	COOKE	TRINITY	FRESH	807	807	807	807	807	807
TRINITY LIVESTOCK LOCAL SUPPLY	DALLAS	TRINITY	FRESH	198	198	198	198	198	198

*Salinity field indicates whether the source availability is considered 'fresh' (less than 1,000 mg/L), 'brackish' (1,000 to 10,000 mg/L), 'saline' (10,001 mg/L to 34,999 mg/L), or 'seawater' (35,000 mg/L or greater). Sources can also be labeled as 'fresh/brackish' or 'brackish/saline', if a combination of the salinity types is appropriate.

Region C Source Availability

SURFACE WATER SOURCE TYPE				SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY *	2020	2030	2040	2050	2060	2070
TRINITY LIVESTOCK LOCAL SUPPLY	DENTON	TRINITY	FRESH	622	622	622	622	622	622
TRINITY LIVESTOCK LOCAL SUPPLY	ELLIS	TRINITY	FRESH	1,112	1,112	1,112	1,112	1,112	1,112
TRINITY LIVESTOCK LOCAL SUPPLY	FANNIN	TRINITY	FRESH	61	61	61	61	61	61
TRINITY LIVESTOCK LOCAL SUPPLY	FREESTONE	TRINITY	FRESH	960	960	960	960	960	960
TRINITY LIVESTOCK LOCAL SUPPLY	GRAYSON	TRINITY	FRESH	388	388	388	388	388	388
TRINITY LIVESTOCK LOCAL SUPPLY	HENDERSON	TRINITY	FRESH	341	341	341	341	341	341
TRINITY LIVESTOCK LOCAL SUPPLY	JACK	TRINITY	FRESH	571	571	571	571	571	571
TRINITY LIVESTOCK LOCAL SUPPLY	KAUFMAN	TRINITY	FRESH	1,524	1,524	1,524	1,524	1,524	1,524
TRINITY LIVESTOCK LOCAL SUPPLY	NAVARRO	TRINITY	FRESH	1,603	1,603	1,603	1,603	1,603	1,603
TRINITY LIVESTOCK LOCAL SUPPLY	PARKER	TRINITY	FRESH	1,019	1,019	1,019	1,019	1,019	1,019
TRINITY LIVESTOCK LOCAL SUPPLY	ROCKWALL	TRINITY	FRESH	59	59	59	59	59	59
TRINITY LIVESTOCK LOCAL SUPPLY	TARRANT	TRINITY	FRESH	442	442	442	442	442	442
TRINITY LIVESTOCK LOCAL SUPPLY	WISE	TRINITY	FRESH	1,117	1,117	1,117	1,117	1,117	1,117
TRINITY OTHER LOCAL SUPPLY	DALLAS	TRINITY	FRESH	1,525	1,525	1,525	1,525	1,525	1,525
TRINITY OTHER LOCAL SUPPLY	DENTON	TRINITY	FRESH	1,366	1,366	1,366	1,366	1,366	1,366
TRINITY OTHER LOCAL SUPPLY	FREESTONE	TRINITY	FRESH	120	120	120	120	120	120
TRINITY OTHER LOCAL SUPPLY	JACK	TRINITY	FRESH	370	370	370	370	370	370
TRINITY OTHER LOCAL SUPPLY	KAUFMAN	TRINITY	FRESH	86	86	86	86	86	86
TRINITY OTHER LOCAL SUPPLY	PARKER	TRINITY	FRESH	6	6	6	6	6	6
TRINITY OTHER LOCAL SUPPLY	TARRANT	TRINITY	FRESH	342	342	342	342	342	342
TRINITY RUN-OF-RIVER	COLLIN	TRINITY	FRESH	408	408	408	408	408	408
TRINITY RUN-OF-RIVER	DALLAS	TRINITY	FRESH	1,159	1,159	1,159	1,159	1,159	1,159
TRINITY RUN-OF-RIVER	ELLIS	TRINITY	FRESH	3	3	3	3	3	3
TRINITY RUN-OF-RIVER	FREESTONE	TRINITY	FRESH	128	128	128	128	128	128
TRINITY RUN-OF-RIVER	HENDERSON	TRINITY	FRESH	415	415	415	415	415	415
TRINITY RUN-OF-RIVER	JACK	TRINITY	FRESH	110	110	110	110	110	110
TRINITY RUN-OF-RIVER	KAUFMAN	TRINITY	FRESH	64	64	64	64	64	64
TRINITY RUN-OF-RIVER	NAVARRO	TRINITY	FRESH	478	478	478	478	478	478
TRINITY RUN-OF-RIVER	PARKER	TRINITY	FRESH	122	122	122	122	122	122
TRINITY RUN-OF-RIVER	TARRANT	TRINITY	FRESH	1,508	1,508	1,508	1,508	1,508	1,508
TRINITY RUN-OF-RIVER	WISE	TRINITY	FRESH	272	272	272	272	272	272
TRWD LAKE/RESERVOIR SYSTEM	RESERVOIR	TRINITY	FRESH	451,094	443,301	435,510	427,719	419,926	412,135
WAXAHACHIE LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	2,800	2,695	2,590	2,485	2,380	2,275
WEATHERFORD LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	2,923	2,880	2,837	2,793	2,750	2,707
WHITE ROCK LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	3,200	3,200	3,200	3,200	3,200	3,200
			SURFACE WATER TOTAL SOURCE AVAILABILITY	**1,341,538**	**1,321,814**	**1,301,742**	**1,281,368**	**1,260,853**	**1,240,312**

REGION C TOTAL SOURCE AVAILABILITY	**1,870,652**	**1,871,509**	**1,875,258**	**1,884,281**	**1,893,959**	**1,897,024**

*Salinity field indicates whether the source availability is considered 'fresh' (less than 1,000 mg/L), 'brackish' (1,000 to 10,000 mg/L), 'saline' (10,001 mg/L to 34,999 mg/L), or 'seawater' (35,000 mg/L or greater). Sources can also be labeled as 'fresh/brackish' or 'brackish/saline', if a combination of the salinity types is appropriate.

TWDB Report #5 – WUG Existing Water Supplies

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
B H P WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	19	24	26	24	22	20
B H P WSC	C	TRINITY INDIRECT REUSE	13	19	23	22	22	21
CADDO BASIN SUD	D	FORK LAKE/RESERVOIR	12	0	0	0	0	0
CADDO BASIN SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	78	84	99	117	134	153
CADDO BASIN SUD	D	TAWAKONI LAKE/RESERVOIR	17	7	7	8	9	10
CADDO BASIN SUD	C	TRINITY INDIRECT REUSE	55	66	85	109	135	162
FARMERSVILLE	D	FORK LAKE/RESERVOIR	0	0	0	0	0	0
FARMERSVILLE	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	1	1	3	4	5	7
FARMERSVILLE	D	TAWAKONI LAKE/RESERVOIR	0	0	0	0	0	0
FARMERSVILLE	C	TRINITY INDIRECT REUSE	0	1	2	4	6	7
JOSEPHINE	D	FORK LAKE/RESERVOIR	17	0	0	0	0	0
JOSEPHINE	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	156	218	266	306	287	264
JOSEPHINE	D	TAWAKONI LAKE/RESERVOIR	26	12	15	17	16	14
JOSEPHINE	C	TRINITY INDIRECT REUSE	108	170	228	286	289	282
NEVADA SUD	D	FORK LAKE/RESERVOIR	4	0	0	0	0	0
NEVADA SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	41	44	44	127	269	445
NEVADA SUD	D	TAWAKONI LAKE/RESERVOIR	7	3	3	7	15	25
NEVADA SUD	C	TRINITY INDIRECT REUSE	28	33	38	118	270	474
ROYSE CITY	D	FORK LAKE/RESERVOIR	14	0	0	0	0	0
ROYSE CITY	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	131	536	841	1,169	1,401	1,696
ROYSE CITY	D	TAWAKONI LAKE/RESERVOIR	21	30	48	65	78	95
ROYSE CITY	C	TRINITY INDIRECT REUSE	92	419	720	1,087	1,409	1,807
COUNTY-OTHER	D	FORK LAKE/RESERVOIR	0	0	0	0	0	0
COUNTY-OTHER	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	0	0	0	0	0	0
COUNTY-OTHER	D	TAWAKONI LAKE/RESERVOIR	0	0	0	0	0	0
COUNTY-OTHER	C	TRINITY AQUIFER | COLLIN COUNTY	0	0	0	0	0	0
COUNTY-OTHER	C	TRINITY INDIRECT REUSE	0	0	0	0	0	0
COUNTY-OTHER	C	WOODBINE AQUIFER | COLLIN COUNTY	0	0	0	0	0	0
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	100	100	100	100	100	100
IRRIGATION	C	DIRECT REUSE	59	59	59	59	59	59
IRRIGATION	C	RAY HUBBARD LAKE/RESERVOIR	77	71	65	60	58	56
IRRIGATION	C	TRINITY AQUIFER | COLLIN COUNTY	11	11	11	11	11	11
IRRIGATION	C	TRINITY RUN-OF-RIVER	12	12	12	12	12	12
IRRIGATION	C	WOODBINE AQUIFER | COLLIN COUNTY	3	3	3	3	3	3
		SABINE BASIN TOTAL	**1,102**	**1,923**	**2,698**	**3,715**	**4,610**	**5,723**
ALLEN	D	FORK LAKE/RESERVOIR	1,178	0	0	0	0	0
ALLEN	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	11,146	10,528	9,381	8,474	7,737	7,233
ALLEN	D	TAWAKONI LAKE/RESERVOIR	1,808	595	528	476	433	404
ALLEN	C	TRINITY INDIRECT REUSE	7,747	8,262	8,015	7,895	7,780	7,714
ANNA	D	FORK LAKE/RESERVOIR	66	0	0	0	0	0
ANNA	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	625	935	900	863	832	807
ANNA	D	TAWAKONI LAKE/RESERVOIR	102	53	51	48	47	45
ANNA	C	TRINITY AQUIFER | COLLIN COUNTY	445	445	445	445	445	445
ANNA	C	TRINITY INDIRECT REUSE	436	733	768	805	836	861
ANNA	C	WOODBINE AQUIFER | COLLIN COUNTY	709	709	709	709	709	709
BEAR CREEK SUD	D	FORK LAKE/RESERVOIR	33	0	0	0	0	0
BEAR CREEK SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	311	424	529	656	737	855

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
BEAR CREEK SUD	D	TAWAKONI LAKE/RESERVOIR	51	24	30	36	41	48
BEAR CREEK SUD	C	TRINITY INDIRECT REUSE	216	333	452	612	741	914
BLUE RIDGE	C	WOODBINE AQUIFER | COLLIN COUNTY	107	107	107	107	107	107
CADDO BASIN SUD	D	FORK LAKE/RESERVOIR	6	0	0	0	0	0
CADDO BASIN SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	52	56	66	77	89	101
CADDO BASIN SUD	D	TAWAKONI LAKE/RESERVOIR	9	3	4	5	5	5
CADDO BASIN SUD	C	TRINITY INDIRECT REUSE	36	44	55	71	89	109
CARROLLTON	D	FORK LAKE/RESERVOIR	0	0	1	0	0	1
CARROLLTON	C	RAY HUBBARD LAKE/RESERVOIR	0	0	0	1	0	0
CARROLLTON	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	1	0	1	1	1	1
CARROLLTON	D	TAWAKONI LAKE/RESERVOIR	1	0	1	1	1	1
CARROLLTON	C	TRINITY AQUIFER | DALLAS COUNTY	0	0	0	0	0	0
CARROLLTON	C	TRINITY INDIRECT REUSE	0	0	1	0	1	1
CELINA	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	789	758	553	514	555	424
CELINA	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	2,762	2,825	2,656	2,345	2,466	2,780
CELINA	C	TRINITY INDIRECT REUSE	474	193	189	219	236	181
COPEVILLE SUD	D	FORK LAKE/RESERVOIR	18	0	0	0	0	0
COPEVILLE SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	166	173	183	224	355	558
COPEVILLE SUD	D	TAWAKONI LAKE/RESERVOIR	27	10	10	13	20	31
COPEVILLE SUD	C	TRINITY INDIRECT REUSE	116	136	156	208	356	595
CULLEOKA WSC	D	FORK LAKE/RESERVOIR	32	0	0	0	0	0
CULLEOKA WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	305	266	355	384	391	447
CULLEOKA WSC	D	TAWAKONI LAKE/RESERVOIR	49	15	20	22	22	25
CULLEOKA WSC	C	TRINITY INDIRECT REUSE	211	210	303	358	393	477
DALLAS	D	FORK LAKE/RESERVOIR	1,692	1,768	1,762	1,759	1,787	1,906
DALLAS	C	RAY HUBBARD LAKE/RESERVOIR	1,765	1,656	1,491	1,352	1,253	1,182
DALLAS	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	4,101	3,520	3,036	2,639	2,314	2,049
DALLAS	D	TAWAKONI LAKE/RESERVOIR	6,354	5,840	5,144	4,570	4,160	3,798
DALLAS	C	TRINITY INDIRECT REUSE	1,308	1,370	1,406	1,529	1,811	1,987
DESERT WSC	C	WOODBINE AQUIFER | FANNIN COUNTY	47	47	50	54	56	55
DESERT WSC	C	WOODBINE AQUIFER | GRAYSON COUNTY	46	47	50	54	56	55
EAST FORK SUD	D	FORK LAKE/RESERVOIR	71	0	0	0	0	0
EAST FORK SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	666	629	622	555	518	491
EAST FORK SUD	D	TAWAKONI LAKE/RESERVOIR	109	36	35	32	29	27
EAST FORK SUD	C	TRINITY INDIRECT REUSE	462	494	532	518	520	525
FAIRVIEW	D	FORK LAKE/RESERVOIR	242	0	0	0	0	0
FAIRVIEW	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	2,291	2,310	2,708	2,511	2,282	2,098
FAIRVIEW	D	TAWAKONI LAKE/RESERVOIR	372	131	153	141	128	117
FAIRVIEW	C	TRINITY INDIRECT REUSE	1,591	1,812	2,313	2,338	2,293	2,237
FARMERSVILLE	D	FORK LAKE/RESERVOIR	56	0	0	0	0	0
FARMERSVILLE	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	527	1,119	2,229	3,031	3,872	5,147
FARMERSVILLE	D	TAWAKONI LAKE/RESERVOIR	86	63	126	170	217	288
FARMERSVILLE	C	TRINITY INDIRECT REUSE	366	879	1,906	2,823	3,894	5,490
FRISCO	C	DIRECT REUSE	839	772	749	871	919	939
FRISCO	D	FORK LAKE/RESERVOIR	1,418	0	0	0	0	0

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
FRISCO	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	13,414	12,105	12,576	16,308	17,196	16,979
FRISCO	D	TAWAKONI LAKE/RESERVOIR	2,176	684	709	916	963	947
FRISCO	C	TRINITY AQUIFER | COLLIN COUNTY	39	36	35	40	43	44
FRISCO	C	TRINITY INDIRECT REUSE	9,323	9,500	10,746	15,191	17,290	18,105
FRISCO	C	WOODBINE AQUIFER | COLLIN COUNTY	45	41	40	47	49	50
FROGNOT WSC	C	WOODBINE AQUIFER | COLLIN COUNTY	366	366	366	366	366	366
GARLAND	D	FORK LAKE/RESERVOIR	3	0	0	0	0	0
GARLAND	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	26	28	30	33	37	40
GARLAND	D	TAWAKONI LAKE/RESERVOIR	4	2	2	2	2	2
GARLAND	C	TRINITY INDIRECT REUSE	18	22	26	31	36	43
HICKORY CREEK SUD	D	WOODBINE AQUIFER | HUNT COUNTY	6	5	6	6	6	5
LUCAS	D	FORK LAKE/RESERVOIR	125	0	0	0	0	0
LUCAS	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	1,180	1,169	1,354	1,402	1,407	1,294
LUCAS	D	TAWAKONI LAKE/RESERVOIR	191	66	76	79	79	72
LUCAS	C	TRINITY INDIRECT REUSE	819	918	1,158	1,306	1,415	1,380
MARILEE SUD	C	TEXOMA LAKE/RESERVOIR NON-SYSTEM PORTION	116	124	137	134	109	66
MARILEE SUD	C	TRINITY AQUIFER | COLLIN COUNTY	368	355	350	349	349	349
MARILEE SUD	C	TRINITY AQUIFER | GRAYSON COUNTY	192	185	182	182	182	182
MCKINNEY	D	FORK LAKE/RESERVOIR	2,193	0	0	0	0	0
MCKINNEY	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	20,806	19,873	19,302	20,803	22,388	22,310
MCKINNEY	D	TAWAKONI LAKE/RESERVOIR	3,370	1,123	1,083	1,166	1,249	1,244
MCKINNEY	C	TRINITY INDIRECT REUSE	14,461	15,595	16,492	19,378	22,511	23,792
MELISSA	D	FORK LAKE/RESERVOIR	203	0	0	0	0	0
MELISSA	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	1,921	5,477	6,774	7,540	7,806	7,427
MELISSA	D	TAWAKONI LAKE/RESERVOIR	312	309	382	423	437	414
MELISSA	C	TRINITY INDIRECT REUSE	1,334	4,298	5,788	7,025	7,848	7,921
MELISSA	C	WOODBINE AQUIFER | COLLIN COUNTY	175	175	175	175	175	175
MILLIGAN WSC	D	FORK LAKE/RESERVOIR	24	0	0	0	0	0
MILLIGAN WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	229	228	242	269	275	279
MILLIGAN WSC	D	TAWAKONI LAKE/RESERVOIR	37	13	14	15	15	16
MILLIGAN WSC	C	TRINITY INDIRECT REUSE	159	180	207	251	276	299
MURPHY	D	FORK LAKE/RESERVOIR	239	0	0	0	0	0
MURPHY	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	2,262	1,974	1,735	1,543	1,386	1,274
MURPHY	D	TAWAKONI LAKE/RESERVOIR	367	112	98	87	78	71
MURPHY	C	TRINITY INDIRECT REUSE	1,572	1,550	1,482	1,437	1,394	1,359
NEVADA SUD	D	FORK LAKE/RESERVOIR	8	0	0	0	0	0
NEVADA SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	82	86	88	250	533	880
NEVADA SUD	D	TAWAKONI LAKE/RESERVOIR	14	5	5	14	30	49
NEVADA SUD	C	TRINITY INDIRECT REUSE	57	67	75	233	535	938
NORTH COLLIN SUD	D	FORK LAKE/RESERVOIR	44	0	0	0	0	0
NORTH COLLIN SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	416	413	415	440	463	490
NORTH COLLIN SUD	D	TAWAKONI LAKE/RESERVOIR	68	23	23	25	26	27
NORTH COLLIN SUD	C	TRINITY INDIRECT REUSE	290	323	356	410	464	522
NORTH FARMERSVILLE WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	46	46	49	54	54	55
NORTH FARMERSVILLE WSC	C	TRINITY INDIRECT REUSE	32	36	41	50	56	59
PARKER	D	FORK LAKE/RESERVOIR	166	0	0	0	0	0
PARKER	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	1,574	1,369	1,278	1,319	1,297	1,348

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
PARKER	D	TAWAKONI LAKE/RESERVOIR	255	77	72	74	73	75
PARKER	C	TRINITY INDIRECT REUSE	1,094	1,075	1,093	1,228	1,303	1,437
PLANO	D	FORK LAKE/RESERVOIR	3,869	0	0	0	0	0
PLANO	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	36,611	32,200	28,495	25,340	22,792	21,178
PLANO	D	TAWAKONI LAKE/RESERVOIR	5,940	1,819	1,606	1,423	1,276	1,182
PLANO	C	TRINITY INDIRECT REUSE	25,445	25,267	24,348	23,604	22,917	22,582
PRINCETON	D	FORK LAKE/RESERVOIR	64	0	0	0	0	0
PRINCETON	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	603	1,773	3,133	3,273	2,938	2,700
PRINCETON	D	TAWAKONI LAKE/RESERVOIR	98	100	177	184	165	151
PRINCETON	C	TRINITY INDIRECT REUSE	419	1,392	2,677	3,050	2,955	2,881
PROSPER	D	FORK LAKE/RESERVOIR	260	0	0	0	0	0
PROSPER	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	2,461	2,473	2,155	1,888	1,921	1,865
PROSPER	D	TAWAKONI LAKE/RESERVOIR	400	139	121	106	107	104
PROSPER	C	TRINITY INDIRECT REUSE	1,710	1,940	1,842	1,759	1,931	1,988
RICHARDSON	D	FORK LAKE/RESERVOIR	482	0	0	0	0	0
RICHARDSON	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	4,558	3,937	3,422	3,100	2,911	2,921
RICHARDSON	D	TAWAKONI LAKE/RESERVOIR	740	222	193	174	163	163
RICHARDSON	C	TRINITY INDIRECT REUSE	3,168	3,089	2,924	2,887	2,927	3,114
SACHSE	D	FORK LAKE/RESERVOIR	79	0	0	0	0	0
SACHSE	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	747	650	570	527	479	441
SACHSE	D	TAWAKONI LAKE/RESERVOIR	121	37	32	30	27	25
SACHSE	C	TRINITY INDIRECT REUSE	519	509	487	492	482	470
SEIS LAGOS UD	D	FORK LAKE/RESERVOIR	31	0	0	0	0	0
SEIS LAGOS UD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	294	257	225	208	189	173
SEIS LAGOS UD	D	TAWAKONI LAKE/RESERVOIR	48	14	13	12	11	10
SEIS LAGOS UD	C	TRINITY INDIRECT REUSE	205	200	192	193	190	186
SOUTH GRAYSON SUD	C	TRINITY AQUIFER | GRAYSON COUNTY	119	132	146	161	171	180
SOUTH GRAYSON SUD	C	WOODBINE AQUIFER | GRAYSON COUNTY	32	35	39	43	45	48
VERONA SUD	C	WOODBINE AQUIFER | COLLIN COUNTY	266	266	266	266	266	266
WEST LEONARD WSC	C	WOODBINE AQUIFER | FANNIN COUNTY	81	84	101	119	136	142
WESTMINSTER WSC	C	WOODBINE AQUIFER | COLLIN COUNTY	253	253	253	253	253	253
WESTMINSTER WSC	C	WOODBINE AQUIFER | GRAYSON COUNTY	293	293	293	293	293	293
WYLIE	D	FORK LAKE/RESERVOIR	335	0	0	0	0	0
WYLIE	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	3,176	2,958	2,729	2,606	2,436	2,467
WYLIE	D	TAWAKONI LAKE/RESERVOIR	515	167	154	146	136	138
WYLIE	C	TRINITY INDIRECT REUSE	2,207	2,321	2,332	2,428	2,449	2,631
WYLIE NORTHEAST SUD	D	FORK LAKE/RESERVOIR	36	0	0	0	0	0
WYLIE NORTHEAST SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	343	355	364	526	707	956
WYLIE NORTHEAST SUD	D	TAWAKONI LAKE/RESERVOIR	56	20	21	30	40	53
WYLIE NORTHEAST SUD	C	TRINITY INDIRECT REUSE	238	279	311	490	711	1,021
COUNTY-OTHER	D	FORK LAKE/RESERVOIR	20	0	0	0	0	0
COUNTY-OTHER	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	192	164	141	122	293	460
COUNTY-OTHER	D	TAWAKONI LAKE/RESERVOIR	31	9	8	7	16	26
COUNTY-OTHER	C	TRINITY AQUIFER | COLLIN COUNTY	250	250	250	250	250	250
COUNTY-OTHER	C	TRINITY INDIRECT REUSE	134	128	120	113	296	491
COUNTY-OTHER	C	WOODBINE AQUIFER | COLLIN COUNTY	250	250	250	250	250	250
MANUFACTURING	D	FORK LAKE/RESERVOIR	106	0	0	0	0	0

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
MANUFACTURING	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	1,024	1,051	925	826	741	683
MANUFACTURING	D	TAWAKONI LAKE/RESERVOIR	167	60	55	45	39	37
MANUFACTURING	C	TRINITY INDIRECT REUSE	709	827	792	768	746	730
MANUFACTURING	C	WOODBINE AQUIFER | COLLIN COUNTY	130	130	130	130	130	130
STEAM ELECTRIC POWER	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	40	40	40	40	40	40
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	902	902	902	902	902	902
IRRIGATION	C	DIRECT REUSE	2,038	2,038	2,038	2,038	2,038	2,038
IRRIGATION	C	RAY HUBBARD LAKE/RESERVOIR	2,662	2,463	2,241	2,086	1,996	1,925
IRRIGATION	C	TRINITY AQUIFER | COLLIN COUNTY	393	393	393	393	393	393
IRRIGATION	C	TRINITY RUN-OF-RIVER	396	396	396	396	396	396
IRRIGATION	C	WOODBINE AQUIFER | COLLIN COUNTY	94	94	94	94	94	94
		TRINITY BASIN TOTAL	**243,024**	**222,739**	**224,239**	**235,188**	**242,379**	**246,082**
		COLLIN COUNTY TOTAL	**244,126**	**224,662**	**226,937**	**238,903**	**246,989**	**251,805**
CALLISBURG WSC	C	TRINITY AQUIFER | COOKE COUNTY	54	55	54	55	54	55
GAINESVILLE	C	HUBERT H MOSS LAKE/RESERVOIR	2	1	1	1	1	1
GAINESVILLE	C	TRINITY AQUIFER | COOKE COUNTY	2	3	3	3	3	3
LINDSAY	C	TRINITY AQUIFER | COOKE COUNTY	1	1	2	2	1	1
TWO WAY SUD	C	TRINITY AQUIFER | GRAYSON COUNTY	8	7	6	5	3	3
WOODBINE WSC	C	HUBERT H MOSS LAKE/RESERVOIR	7	12	16	15	15	9
WOODBINE WSC	C	TRINITY AQUIFER | COOKE COUNTY	44	44	45	44	44	44
COUNTY-OTHER	C	HUBERT H MOSS LAKE/RESERVOIR	11	11	11	175	169	219
COUNTY-OTHER	C	TRINITY AQUIFER | COOKE COUNTY	166	166	165	166	165	166
COUNTY-OTHER	C	WOODBINE AQUIFER | COOKE COUNTY	10	10	10	10	10	10
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	562	562	562	562	562	562
LIVESTOCK	C	TRINITY AQUIFER | COOKE COUNTY	85	85	85	85	85	85
LIVESTOCK	C	WOODBINE AQUIFER | COOKE COUNTY	28	28	28	28	28	28
IRRIGATION	C	DIRECT REUSE	1	1	1	1	1	1
IRRIGATION	C	HUBERT H MOSS LAKE/RESERVOIR	263	263	263	178	136	75
IRRIGATION	C	TRINITY AQUIFER | COOKE COUNTY	53	52	52	52	52	52
IRRIGATION	C	WOODBINE AQUIFER | COOKE COUNTY	15	15	15	15	15	15
		RED BASIN TOTAL	**1,312**	**1,316**	**1,319**	**1,397**	**1,344**	**1,329**
BOLIVAR WSC	C	TRINITY AQUIFER | COOKE COUNTY	19	18	15	14	13	11
BOLIVAR WSC	C	TRINITY AQUIFER | DENTON COUNTY	93	83	73	65	57	51
BOLIVAR WSC	C	TRINITY AQUIFER | WISE COUNTY	12	10	8	8	7	6
CALLISBURG WSC	C	TRINITY AQUIFER | COOKE COUNTY	96	95	96	95	96	95
GAINESVILLE	C	HUBERT H MOSS LAKE/RESERVOIR	1,034	736	805	562	753	817
GAINESVILLE	C	TRINITY AQUIFER | COOKE COUNTY	1,618	2,018	2,024	2,029	2,017	2,045
LAKE KIOWA SUD	C	TRINITY AQUIFER | COOKE COUNTY	985	985	985	985	985	985
LINDSAY	C	TRINITY AQUIFER | COOKE COUNTY	172	172	171	171	172	172
MOUNTAIN SPRINGS WSC	C	TRINITY AQUIFER | COOKE COUNTY	510	509	508	508	512	514
MUENSTER	C	TRINITY AQUIFER | COOKE COUNTY	268	268	268	268	268	268
WOODBINE WSC	C	HUBERT H MOSS LAKE/RESERVOIR	85	136	192	172	168	113
WOODBINE WSC	C	TRINITY AQUIFER | COOKE COUNTY	515	515	514	515	515	515
COUNTY-OTHER	C	HUBERT H MOSS LAKE/RESERVOIR	39	39	39	640	618	797
COUNTY-OTHER	C	TRINITY AQUIFER | COOKE COUNTY	603	603	604	603	604	603
COUNTY-OTHER	C	WOODBINE AQUIFER | COOKE COUNTY	35	35	35	35	35	35
MANUFACTURING	C	HUBERT H MOSS LAKE/RESERVOIR	112	124	124	84	64	35

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
MANUFACTURING	C	TRINITY AQUIFER | COOKE COUNTY	4	4	4	4	4	4
MINING	C	TRINITY AQUIFER | COOKE COUNTY	1,000	750	230	300	350	450
STEAM ELECTRIC POWER	C	TRINITY AQUIFER | COOKE COUNTY	5	5	5	5	5	5
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	625	625	625	625	625	625
LIVESTOCK	C	TRINITY AQUIFER | COOKE COUNTY	95	95	95	95	95	95
LIVESTOCK	C	WOODBINE AQUIFER | COOKE COUNTY	32	32	32	32	32	32
IRRIGATION	C	DIRECT REUSE	3	3	3	3	3	3
IRRIGATION	C	HUBERT H MOSS LAKE/RESERVOIR	609	609	609	413	316	174
IRRIGATION	C	TRINITY AQUIFER | COOKE COUNTY	122	123	123	123	123	123
IRRIGATION	C	WOODBINE AQUIFER | COOKE COUNTY	34	34	34	34	34	34
		TRINITY BASIN TOTAL	**8,725**	**8,626**	**8,221**	**8,388**	**8,471**	**8,607**
		COOKE COUNTY TOTAL	**10,037**	**9,942**	**9,540**	**9,785**	**9,815**	**9,936**
ADDISON	D	FORK LAKE/RESERVOIR	767	832	867	911	970	981
ADDISON	C	RAY HUBBARD LAKE/RESERVOIR	685	676	646	624	611	608
ADDISON	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	1,594	1,436	1,314	1,218	1,130	1,054
ADDISON	D	TAWAKONI LAKE/RESERVOIR	2,356	2,275	2,124	2,009	1,933	1,954
ADDISON	C	TRINITY INDIRECT REUSE	507	560	609	705	884	1,022
BALCH SPRINGS	D	FORK LAKE/RESERVOIR	344	371	388	414	449	462
BALCH SPRINGS	C	RAY HUBBARD LAKE/RESERVOIR	307	302	289	283	283	287
BALCH SPRINGS	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	713	641	587	553	522	496
BALCH SPRINGS	D	TAWAKONI LAKE/RESERVOIR	1,056	1,015	950	912	894	921
BALCH SPRINGS	C	TRINITY INDIRECT REUSE	227	250	272	320	409	482
CARROLLTON	D	FORK LAKE/RESERVOIR	1,192	1,197	1,160	1,143	1,150	1,102
CARROLLTON	C	RAY HUBBARD LAKE/RESERVOIR	1,065	972	865	782	725	684
CARROLLTON	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	2,473	2,067	1,759	1,527	1,338	1,185
CARROLLTON	D	TAWAKONI LAKE/RESERVOIR	3,660	3,272	2,842	2,519	2,291	2,197
CARROLLTON	C	TRINITY AQUIFER | DALLAS COUNTY	10	10	10	10	10	10
CARROLLTON	C	TRINITY INDIRECT REUSE	788	805	814	884	1,047	1,149
CEDAR HILL	D	FORK LAKE/RESERVOIR	1,311	1,620	1,874	2,015	2,030	1,946
CEDAR HILL	C	RAY HUBBARD LAKE/RESERVOIR	1,171	1,316	1,396	1,380	1,279	1,207
CEDAR HILL	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	2,720	2,800	2,842	2,693	2,362	2,092
CEDAR HILL	D	TAWAKONI LAKE/RESERVOIR	4,026	4,430	4,590	4,443	4,043	3,877
CEDAR HILL	C	TRINITY AQUIFER | DALLAS COUNTY	178	178	177	177	177	177
CEDAR HILL	C	TRINITY INDIRECT REUSE	867	1,090	1,315	1,560	1,849	2,029
COCKRELL HILL	D	FORK LAKE/RESERVOIR	52	55	53	51	68	139
COCKRELL HILL	C	RAY HUBBARD LAKE/RESERVOIR	47	45	39	35	43	86
COCKRELL HILL	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	108	96	79	68	79	149
COCKRELL HILL	D	TAWAKONI LAKE/RESERVOIR	160	151	129	112	135	276
COCKRELL HILL	C	TRINITY INDIRECT REUSE	35	37	37	39	62	144
COMBINE WSC	D	FORK LAKE/RESERVOIR	10	11	13	15	18	21
COMBINE WSC	C	RAY HUBBARD LAKE/RESERVOIR	9	9	10	11	12	13
COMBINE WSC	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	20	20	20	20	21	22
COMBINE WSC	D	TAWAKONI LAKE/RESERVOIR	30	32	33	34	37	41
COMBINE WSC	C	TRINITY INDIRECT REUSE	6	8	9	12	17	22

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
COPPELL	D	FORK LAKE/RESERVOIR	1,354	1,402	1,372	1,357	1,366	1,310
COPPELL	C	RAY HUBBARD LAKE/RESERVOIR	1,209	1,139	1,022	929	861	813
COPPELL	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	2,810	2,421	2,081	1,814	1,591	1,408
COPPELL	D	TAWAKONI LAKE/RESERVOIR	4,157	3,833	3,361	2,993	2,722	2,611
COPPELL	C	TRINITY INDIRECT REUSE	895	942	963	1,050	1,245	1,366
DALLAS	D	FORK LAKE/RESERVOIR	27,073	29,998	33,758	37,765	41,530	45,890
DALLAS	C	RAY HUBBARD LAKE/RESERVOIR	28,245	28,081	28,573	29,025	29,095	28,472
DALLAS	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	65,615	59,721	58,151	56,658	53,735	49,331
DALLAS	D	TAWAKONI LAKE/RESERVOIR	101,671	99,085	98,552	98,091	96,638	91,433
DALLAS	C	TRINITY INDIRECT REUSE	20,913	23,250	26,920	32,797	42,061	47,832
DESOTO	D	FORK LAKE/RESERVOIR	1,178	1,278	1,354	1,456	1,582	1,563
DESOTO	C	RAY HUBBARD LAKE/RESERVOIR	1,052	1,038	1,008	997	997	970
DESOTO	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	2,446	2,208	2,053	1,945	1,842	1,680
DESOTO	D	TAWAKONI LAKE/RESERVOIR	3,618	3,495	3,316	3,209	3,153	3,114
DESOTO	C	TRINITY INDIRECT REUSE	779	860	950	1,126	1,442	1,629
DUNCANVILLE	D	FORK LAKE/RESERVOIR	762	829	799	784	789	757
DUNCANVILLE	C	RAY HUBBARD LAKE/RESERVOIR	680	673	595	537	497	470
DUNCANVILLE	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	1,580	1,432	1,212	1,049	918	814
DUNCANVILLE	D	TAWAKONI LAKE/RESERVOIR	2,339	2,266	1,957	1,729	1,572	1,508
DUNCANVILLE	C	TRINITY INDIRECT REUSE	504	557	561	607	719	789
EAST FORK SUD	D	FORK LAKE/RESERVOIR	24	0	0	0	0	0
EAST FORK SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	231	195	152	166	176	188
EAST FORK SUD	D	TAWAKONI LAKE/RESERVOIR	37	11	8	9	10	11
EAST FORK SUD	C	TRINITY INDIRECT REUSE	161	153	130	154	178	200
FARMERS BRANCH	D	FORK LAKE/RESERVOIR	1,129	1,212	1,253	1,314	1,397	1,411
FARMERS BRANCH	C	RAY HUBBARD LAKE/RESERVOIR	1,009	985	933	899	880	875
FARMERS BRANCH	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	2,343	2,093	1,898	1,756	1,626	1,517
FARMERS BRANCH	D	TAWAKONI LAKE/RESERVOIR	3,468	3,314	3,068	2,896	2,783	2,811
FARMERS BRANCH	C	TRINITY INDIRECT REUSE	747	815	879	1,016	1,273	1,471
FERRIS	C	JOE POOL LAKE/RESERVOIR	0	0	0	0	0	0
FERRIS	C	TRWD LAKE/RESERVOIR SYSTEM	1	2	1	2	2	2
GARLAND	D	FORK LAKE/RESERVOIR	2,209	0	0	0	0	0
GARLAND	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	20,907	19,596	17,839	15,930	14,379	13,218
GARLAND	D	TAWAKONI LAKE/RESERVOIR	3,392	1,107	1,005	894	805	738
GARLAND	C	TRINITY INDIRECT REUSE	14,531	15,378	15,241	14,839	14,461	14,096
GLENN HEIGHTS	D	FORK LAKE/RESERVOIR	178	245	307	377	451	571
GLENN HEIGHTS	C	RAY HUBBARD LAKE/RESERVOIR	159	199	228	258	284	355
GLENN HEIGHTS	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	369	425	465	503	524	615
GLENN HEIGHTS	D	TAWAKONI LAKE/RESERVOIR	547	671	752	830	898	1,138
GLENN HEIGHTS	C	TRINITY AQUIFER | DALLAS COUNTY	53	54	54	54	53	51
GLENN HEIGHTS	C	TRINITY INDIRECT REUSE	118	165	216	291	411	595
GLENN HEIGHTS	C	WOODBINE AQUIFER | DALLAS COUNTY	35	36	36	35	35	34
GRAND PRAIRIE	D	FORK LAKE/RESERVOIR	3,090	3,412	3,779	3,729	3,753	3,598
GRAND PRAIRIE	C	RAY HUBBARD LAKE/RESERVOIR	2,758	2,772	2,813	2,554	2,366	2,234

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
GRAND PRAIRIE	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	6,410	5,894	5,729	4,984	4,367	3,868
GRAND PRAIRIE	D	TAWAKONI LAKE/RESERVOIR	9,486	9,328	9,254	8,223	7,478	7,171
GRAND PRAIRIE	C	TRINITY AQUIFER | DALLAS COUNTY	231	0	0	0	0	0
GRAND PRAIRIE	C	TRINITY INDIRECT REUSE	2,043	2,294	2,652	2,886	3,420	3,751
GRAND PRAIRIE	C	TRWD LAKE/RESERVOIR SYSTEM	1,524	3,190	2,961	2,635	2,426	2,228
HIGHLAND PARK	C	GRAPEVINE LAKE/RESERVOIR NON-SYSTEM PORTION	4,055	4,139	4,105	4,090	4,087	4,087
HUTCHINS	D	FORK LAKE/RESERVOIR	273	389	492	597	711	788
HUTCHINS	C	RAY HUBBARD LAKE/RESERVOIR	244	316	366	409	448	489
HUTCHINS	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	568	672	746	798	829	846
HUTCHINS	D	TAWAKONI LAKE/RESERVOIR	839	1,063	1,204	1,316	1,417	1,569
HUTCHINS	C	TRINITY INDIRECT REUSE	181	262	345	462	648	821
IRVING	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	38,186	37,833	37,604	37,374	37,145	36,916
IRVING	D	FORK LAKE/RESERVOIR	625	641	632	629	634	608
IRVING	C	RAY HUBBARD LAKE/RESERVOIR	558	521	471	430	400	377
IRVING	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	1,298	1,109	959	841	737	654
IRVING	D	TAWAKONI LAKE/RESERVOIR	1,920	1,754	1,549	1,386	1,263	1,211
IRVING	C	TRINITY INDIRECT REUSE	414	431	444	486	578	634
LANCASTER	D	FORK LAKE/RESERVOIR	959	1,251	1,443	1,589	1,763	1,846
LANCASTER	C	RAY HUBBARD LAKE/RESERVOIR	857	1,016	1,075	1,088	1,111	1,146
LANCASTER	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	1,991	2,162	2,187	2,123	2,051	1,984
LANCASTER	D	TAWAKONI LAKE/RESERVOIR	2,945	3,421	3,534	3,502	3,512	3,679
LANCASTER	C	TRINITY INDIRECT REUSE	634	842	1,013	1,229	1,606	1,925
LEWISVILLE	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	152	136	118	105	95	95
MESQUITE	D	FORK LAKE/RESERVOIR	1,201	0	0	0	0	0
MESQUITE	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	11,364	10,657	10,371	9,972	9,668	9,551
MESQUITE	D	TAWAKONI LAKE/RESERVOIR	1,843	602	584	560	541	533
MESQUITE	C	TRINITY INDIRECT REUSE	7,897	8,362	8,860	9,291	9,721	10,183
OVILLA	D	FORK LAKE/RESERVOIR	15	19	23	27	31	52
OVILLA	C	RAY HUBBARD LAKE/RESERVOIR	13	15	17	18	20	32
OVILLA	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	30	32	34	36	37	56
OVILLA	D	TAWAKONI LAKE/RESERVOIR	45	51	55	59	63	104
OVILLA	C	TRINITY INDIRECT REUSE	10	13	16	21	29	54
RICHARDSON	D	FORK LAKE/RESERVOIR	996	0	0	0	0	0
RICHARDSON	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	9,426	8,475	7,657	6,988	6,275	5,771
RICHARDSON	D	TAWAKONI LAKE/RESERVOIR	1,529	479	431	392	351	322
RICHARDSON	C	TRINITY INDIRECT REUSE	6,551	6,650	6,542	6,510	6,310	6,155
ROCKETT SUD	C	JOE POOL LAKE/RESERVOIR	33	44	55	50	42	34
ROCKETT SUD	C	TRWD LAKE/RESERVOIR SYSTEM	81	169	221	260	281	273
ROWLETT	D	FORK LAKE/RESERVOIR	493	0	0	0	0	0
ROWLETT	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	4,666	4,381	4,130	3,887	3,643	3,539
ROWLETT	D	TAWAKONI LAKE/RESERVOIR	757	247	233	218	204	197
ROWLETT	C	TRINITY INDIRECT REUSE	3,244	3,438	3,528	3,620	3,663	3,773
SACHSE	D	FORK LAKE/RESERVOIR	200	0	0	0	0	0

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
SACHSE	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	1,897	1,651	1,448	1,287	1,156	1,063
SACHSE	D	TAWAKONI LAKE/RESERVOIR	308	93	82	72	65	59
SACHSE	C	TRINITY INDIRECT REUSE	1,319	1,296	1,238	1,199	1,161	1,132
SEAGOVILLE	D	FORK LAKE/RESERVOIR	258	309	349	373	392	374
SEAGOVILLE	C	RAY HUBBARD LAKE/RESERVOIR	230	252	260	256	248	242
SEAGOVILLE	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	535	533	530	498	457	419
SEAGOVILLE	D	TAWAKONI LAKE/RESERVOIR	616	438	419	325	208	119
SEAGOVILLE	C	TRINITY INDIRECT REUSE	171	208	245	288	358	407
SUNNYVALE	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	1,138	1,413	1,607	1,643	1,482	1,367
SUNNYVALE	C	TRINITY INDIRECT REUSE	791	1,109	1,373	1,531	1,490	1,457
UNIVERSITY PARK	C	GRAPEVINE LAKE/RESERVOIR NON-SYSTEM PORTION	7,612	7,506	7,418	7,370	7,361	7,361
WILMER	D	FORK LAKE/RESERVOIR	53	58	89	163	257	447
WILMER	C	RAY HUBBARD LAKE/RESERVOIR	47	47	66	111	162	278
WILMER	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	110	102	135	217	299	481
WILMER	D	TAWAKONI LAKE/RESERVOIR	162	159	217	358	512	891
WILMER	C	TRINITY INDIRECT REUSE	35	39	62	126	234	466
WYLIE	D	FORK LAKE/RESERVOIR	19	0	0	0	0	0
WYLIE	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	178	159	142	130	119	115
WYLIE	D	TAWAKONI LAKE/RESERVOIR	29	9	8	7	7	6
WYLIE	C	TRINITY INDIRECT REUSE	124	125	122	121	120	122
COUNTY-OTHER	C	DIRECT REUSE	33	33	100	100	100	100
COUNTY-OTHER	D	FORK LAKE/RESERVOIR	183	179	179	179	191	190
COUNTY-OTHER	C	RAY HUBBARD LAKE/RESERVOIR	163	146	133	123	121	119
COUNTY-OTHER	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	380	311	269	239	222	206
COUNTY-OTHER	D	TAWAKONI LAKE/RESERVOIR	561	491	438	394	380	379
COUNTY-OTHER	C	TRINITY AQUIFER | DALLAS COUNTY	50	50	50	50	50	50
COUNTY-OTHER	C	TRINITY INDIRECT REUSE	120	121	126	139	174	198
COUNTY-OTHER	C	TRWD LAKE/RESERVOIR SYSTEM	634	634	544	489	455	419
COUNTY-OTHER	C	WOODBINE AQUIFER | DALLAS COUNTY	50	50	50	50	50	50
MANUFACTURING	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	2,183	2,307	2,307	2,307	2,307	2,307
MANUFACTURING	D	FORK LAKE/RESERVOIR	2,037	2,193	2,164	2,152	2,169	2,080
MANUFACTURING	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	1,668	1,548	1,363	1,216	1,093	1,006
MANUFACTURING	C	RAY HUBBARD LAKE/RESERVOIR	1,820	1,781	1,613	1,473	1,367	1,290
MANUFACTURING	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	4,225	3,790	3,281	2,876	2,525	2,236
MANUFACTURING	D	TAWAKONI LAKE/RESERVOIR	6,255	5,996	5,302	4,744	4,321	4,145
MANUFACTURING	C	TRINITY AQUIFER | DALLAS COUNTY	530	530	530	530	530	530
MANUFACTURING	C	TRINITY INDIRECT REUSE	2,506	2,692	2,684	2,797	3,075	3,241
MANUFACTURING	C	WOODBINE AQUIFER | DALLAS COUNTY	43	43	43	43	43	43
MINING	C	LOCAL SURFACE WATER SUPPLY	1,525	1,525	1,525	1,525	1,525	1,525
MINING	C	TRINITY AQUIFER | DALLAS COUNTY	1,800	1,800	1,800	1,800	1,800	1,800
MINING	C	WOODBINE AQUIFER | DALLAS COUNTY	253	253	253	253	253	253
STEAM ELECTRIC POWER	C	MOUNTAIN CREEK LAKE/RESERVOIR	6,400	6,400	6,400	6,400	6,400	6,400
STEAM ELECTRIC POWER	C	RAY HUBBARD LAKE/RESERVOIR	963	891	811	754	723	697
STEAM ELECTRIC POWER	C	TRINITY RUN-OF-RIVER	368	368	368	368	368	368

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	198	198	198	198	198	198
LIVESTOCK	C	WOODBINE AQUIFER | DALLAS COUNTY	658	658	658	658	658	658
IRRIGATION	C	DIRECT REUSE	1,246	1,246	1,246	1,246	1,246	1,246
IRRIGATION	C	JOE POOL LAKE/RESERVOIR	300	300	300	300	300	300
IRRIGATION	C	RAY HUBBARD LAKE/RESERVOIR	2,479	2,294	2,088	1,942	1,859	1,793
IRRIGATION	C	TRINITY AQUIFER | DALLAS COUNTY	700	700	700	700	700	700
IRRIGATION	C	TRINITY INDIRECT REUSE	8,000	8,000	8,000	8,000	8,000	8,000
IRRIGATION	C	TRINITY RUN-OF-RIVER	791	791	791	791	791	791
IRRIGATION	C	WOODBINE AQUIFER | DALLAS COUNTY	700	700	700	700	700	700
		TRINITY BASIN TOTAL	**547,111**	**532,750**	**532,191**	**532,605**	**536,365**	**534,470**
		DALLAS COUNTY TOTAL	**547,111**	**532,750**	**532,191**	**532,605**	**536,365**	**534,470**
ARGYLE WSC	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	388	438	401	359	322	185
ARGYLE WSC	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	1,356	1,635	1,926	1,635	1,433	1,216
ARGYLE WSC	C	TRINITY AQUIFER | DENTON COUNTY	683	683	683	683	683	683
ARGYLE WSC	C	TRINITY INDIRECT REUSE	232	112	137	152	137	79
AUBREY	C	TRINITY AQUIFER | DENTON COUNTY	559	559	559	559	559	559
BLACK ROCK WSC	C	TRINITY AQUIFER | DENTON COUNTY	468	468	468	468	468	468
BOLIVAR WSC	C	TRINITY AQUIFER | COOKE COUNTY	166	168	171	173	175	177
BOLIVAR WSC	C	TRINITY AQUIFER | DENTON COUNTY	787	799	813	823	834	843
BOLIVAR WSC	C	TRINITY AQUIFER | WISE COUNTY	94	96	98	99	100	101
CARROLLTON	D	FORK LAKE/RESERVOIR	1,841	1,906	1,848	1,820	1,832	1,756
CARROLLTON	C	RAY HUBBARD LAKE/RESERVOIR	1,644	1,549	1,377	1,246	1,154	1,090
CARROLLTON	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	3,820	3,293	2,802	2,433	2,131	1,888
CARROLLTON	D	TAWAKONI LAKE/RESERVOIR	5,653	5,212	4,527	4,013	3,649	3,499
CARROLLTON	C	TRINITY AQUIFER | DALLAS COUNTY	15	15	15	15	15	15
CARROLLTON	C	TRINITY INDIRECT REUSE	1,218	1,282	1,297	1,409	1,668	1,830
CELINA	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	27	78	124	181	154	97
CELINA	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	96	290	599	828	687	640
CELINA	C	TRINITY INDIRECT REUSE	16	20	43	77	66	42
COPPELL	D	FORK LAKE/RESERVOIR	38	38	37	37	37	36
COPPELL	C	RAY HUBBARD LAKE/RESERVOIR	34	31	28	25	23	22
COPPELL	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	78	66	56	49	43	38
COPPELL	D	TAWAKONI LAKE/RESERVOIR	116	104	91	81	74	71
COPPELL	C	TRINITY INDIRECT REUSE	25	26	26	29	34	37
CORINTH	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	837	758	502	438	387	223
CORINTH	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	2,930	2,823	2,410	2,003	1,724	1,463
CORINTH	C	TRINITY INDIRECT REUSE	502	193	171	187	165	95
CROSS TIMBERS WSC	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	194	198	132	115	107	63
CROSS TIMBERS WSC	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	679	742	633	524	475	416
CROSS TIMBERS WSC	C	TRINITY AQUIFER | DENTON COUNTY	649	649	649	649	649	649
CROSS TIMBERS WSC	C	TRINITY INDIRECT REUSE	116	51	45	49	45	27

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
DALLAS	D	FORK LAKE/RESERVOIR	704	778	870	968	1,061	1,170
DALLAS	C	RAY HUBBARD LAKE/RESERVOIR	735	728	736	744	743	726
DALLAS	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	1,707	1,548	1,498	1,452	1,372	1,258
DALLAS	D	TAWAKONI LAKE/RESERVOIR	2,645	2,569	2,539	2,513	2,468	2,331
DALLAS	C	TRINITY INDIRECT REUSE	544	603	693	840	1,074	1,220
DENTON	C	LEWISVILLE LAKE/RESERVOIR NON-SYSTEM PORTION	7,549	7,817	7,817	7,817	7,698	7,550
DENTON	C	RAY ROBERTS LAKE/RESERVOIR NON-SYSTEM PORTION	18,625	18,590	18,472	18,352	18,220	18,064
DENTON	C	TRINITY INDIRECT REUSE	0	234	411	587	882	1,206
DENTON COUNTY FWSD 1-A	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	481	660	527	462	409	236
DENTON COUNTY FWSD 1-A	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	2,846	4,340	4,511	3,877	3,416	3,141
DENTON COUNTY FWSD 1-A	C	TRINITY INDIRECT REUSE	288	169	180	197	174	100
DENTON COUNTY FWSD 10	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	290	476	372	328	288	167
DENTON COUNTY FWSD 10	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	1,020	1,771	1,793	1,495	1,288	1,093
DENTON COUNTY FWSD 10	C	TRINITY INDIRECT REUSE	175	121	128	139	124	71
DENTON COUNTY FWSD 7	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	670	517	343	301	266	153
DENTON COUNTY FWSD 7	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	2,346	1,928	1,654	1,378	1,187	1,007
DENTON COUNTY FWSD 7	C	TRINITY INDIRECT REUSE	402	132	118	129	114	66
FLOWER MOUND	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	2,408	2,103	1,475	1,333	1,214	730
FLOWER MOUND	D	FORK LAKE/RESERVOIR	769	787	777	771	776	745
FLOWER MOUND	C	RAY HUBBARD LAKE/RESERVOIR	687	640	578	527	489	463
FLOWER MOUND	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	10,029	9,207	8,263	7,115	6,311	5,591
FLOWER MOUND	D	TAWAKONI LAKE/RESERVOIR	2,360	2,154	1,901	1,699	1,545	1,485
FLOWER MOUND	C	TRINITY INDIRECT REUSE	1,953	1,067	1,048	1,163	1,225	1,089
FORT WORTH	C	TRINITY INDIRECT REUSE	3,178	4,061	5,005	6,621	8,127	9,169
FORT WORTH	C	TRWD LAKE/RESERVOIR SYSTEM	3,790	1,592	2,255	1,995	1,343	881
FRISCO	C	DIRECT REUSE	562	629	652	530	482	462
FRISCO	D	FORK LAKE/RESERVOIR	950	0	0	0	0	0
FRISCO	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	8,993	9,872	10,953	9,916	9,023	8,343
FRISCO	D	TAWAKONI LAKE/RESERVOIR	1,459	558	617	557	505	466
FRISCO	C	TRINITY AQUIFER | COLLIN COUNTY	26	29	30	25	22	21
FRISCO	C	TRINITY INDIRECT REUSE	6,250	7,746	9,358	9,237	9,073	8,897
FRISCO	C	WOODBINE AQUIFER | COLLIN COUNTY	30	34	35	28	26	25
HACKBERRY	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	230	258	287	317	349	387
HACKBERRY	C	TRINITY INDIRECT REUSE	160	203	246	295	350	413
HIGHLAND VILLAGE	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	475	385	273	260	239	138
HIGHLAND VILLAGE	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	1,663	1,436	1,317	1,183	1,066	905
HIGHLAND VILLAGE	C	TRINITY AQUIFER | DENTON COUNTY	1,411	1,411	1,411	1,411	1,411	1,411
HIGHLAND VILLAGE	C	TRINITY INDIRECT REUSE	285	98	94	110	102	59
JUSTIN	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	44	123	140	127	116	66

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
JUSTIN	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	155	456	674	581	517	439
JUSTIN	C	TRINITY AQUIFER | DENTON COUNTY	242	242	242	242	242	242
JUSTIN	C	TRINITY INDIRECT REUSE	27	31	48	54	49	29
KRUM	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	95	122	119	142	158	114
KRUM	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	333	457	574	649	706	746
KRUM	C	TRINITY AQUIFER | DENTON COUNTY	448	448	448	448	448	448
KRUM	C	TRINITY INDIRECT REUSE	57	31	41	61	68	49
LAKE CITIES MUNICIPAL UTILITY AUTHORITY	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	421	327	234	207	182	106
LAKE CITIES MUNICIPAL UTILITY AUTHORITY	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	1,471	1,224	1,124	944	807	691
LAKE CITIES MUNICIPAL UTILITY AUTHORITY	C	TRINITY INDIRECT REUSE	252	84	80	88	77	45
LEWISVILLE	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	19,243	19,511	19,425	19,652	19,830	19,830
LITTLE ELM	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	2,066	2,029	1,782	1,589	1,430	1,315
LITTLE ELM	C	TRINITY INDIRECT REUSE	1,436	1,593	1,523	1,479	1,439	1,403
MOUNTAIN SPRINGS WSC	C	TRINITY AQUIFER | COOKE COUNTY	10	11	12	12	8	6
MUSTANG SUD	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	565	1,042	1,099	1,322	1,483	1,029
MUSTANG SUD	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	1,983	3,885	5,278	6,032	6,603	6,748
MUSTANG SUD	C	TRINITY AQUIFER | DENTON COUNTY	1,590	1,597	1,599	1,600	1,601	1,601
MUSTANG SUD	C	TRINITY INDIRECT REUSE	340	266	376	563	633	439
MUSTANG SUD	C	WOODBINE AQUIFER | DENTON COUNTY	70	71	71	71	71	71
NORTHLAKE	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	279	510	481	589	667	384
NORTHLAKE	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	979	1,902	2,313	2,686	2,968	2,518
NORTHLAKE	C	TRINITY INDIRECT REUSE	168	130	165	250	284	164
NORTHLAKE	C	TRWD LAKE/RESERVOIR SYSTEM	402	948	1,285	1,610	1,918	1,769
NORTHLAKE	C	WOODBINE AQUIFER | DENTON COUNTY	95	95	95	95	95	95
PALOMA CREEK NORTH	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	333	350	232	204	181	105
PALOMA CREEK NORTH	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	1,167	1,304	1,118	932	803	681
PALOMA CREEK NORTH	C	TRINITY INDIRECT REUSE	200	89	80	87	77	44
PALOMA CREEK SOUTH	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	168	177	118	103	91	52
PALOMA CREEK SOUTH	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	586	659	566	472	407	346
PALOMA CREEK SOUTH	C	TRINITY INDIRECT REUSE	100	45	40	44	39	23
PILOT POINT	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	10	48	79	122	166	137
PILOT POINT	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	35	177	377	559	737	896
PILOT POINT	C	TRINITY AQUIFER | DENTON COUNTY	571	571	571	571	571	571
PILOT POINT	C	TRINITY INDIRECT REUSE	6	12	27	52	71	58
PLANO	D	FORK LAKE/RESERVOIR	103	0	0	0	0	0
PLANO	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	977	880	787	698	627	576
PLANO	D	TAWAKONI LAKE/RESERVOIR	158	50	44	39	35	32

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
PLANO	C	TRINITY INDIRECT REUSE	678	691	672	650	630	615
PONDER	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	14	32	37	45	56	41
PONDER	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	50	121	178	210	248	272
PONDER	C	TRINITY AQUIFER | DENTON COUNTY	315	315	315	315	315	315
PONDER	C	TRINITY INDIRECT REUSE	9	8	13	20	24	18
PROSPER	D	FORK LAKE/RESERVOIR	16	0	0	0	0	0
PROSPER	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	150	630	867	1,014	874	848
PROSPER	D	TAWAKONI LAKE/RESERVOIR	24	36	49	57	49	47
PROSPER	C	TRINITY INDIRECT REUSE	104	495	741	944	879	904
PROVIDENCE VILLAGE WCID	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	184	142	94	83	73	42
PROVIDENCE VILLAGE WCID	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	644	526	451	375	323	274
PROVIDENCE VILLAGE WCID	C	TRINITY INDIRECT REUSE	110	36	32	35	31	18
ROANOKE	C	TRWD LAKE/RESERVOIR SYSTEM	2,255	2,797	2,972	2,866	2,671	2,461
SANGER	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	62	96	102	127	151	108
SANGER	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	216	359	491	582	670	706
SANGER	C	TRINITY AQUIFER | DENTON COUNTY	825	825	825	825	825	825
SANGER	C	TRINITY INDIRECT REUSE	37	25	35	54	64	46
SOUTHLAKE	C	TRWD LAKE/RESERVOIR SYSTEM	419	538	651	724	822	917
THE COLONY	D	FORK LAKE/RESERVOIR	795	823	820	859	851	805
THE COLONY	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	356	537	630	703	663	639
THE COLONY	C	RAY HUBBARD LAKE/RESERVOIR	710	668	611	588	537	499
THE COLONY	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	1,648	1,421	1,243	1,147	991	865
THE COLONY	D	TAWAKONI LAKE/RESERVOIR	2,441	2,249	2,009	1,894	1,696	1,604
THE COLONY	C	TRINITY AQUIFER | DENTON COUNTY	1,015	1,015	1,015	1,015	1,015	1,015
THE COLONY	C	TRINITY INDIRECT REUSE	774	974	1,115	1,319	1,443	1,521
TROPHY CLUB MUD 1	C	TRINITY AQUIFER | DENTON COUNTY	555	555	555	555	555	555
TROPHY CLUB MUD 1	C	TRWD LAKE/RESERVOIR SYSTEM	4,308	4,829	4,604	4,137	3,841	3,541
WESTLAKE	C	TRWD LAKE/RESERVOIR SYSTEM	30	39	45	50	60	72
COUNTY-OTHER	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	176	174	161	310	483	550
COUNTY-OTHER	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	617	653	776	1,415	2,150	3,608
COUNTY-OTHER	C	TRINITY AQUIFER | DENTON COUNTY	1,004	1,004	1,004	1,004	1,004	1,004
COUNTY-OTHER	C	TRINITY INDIRECT REUSE	106	45	55	132	206	235
COUNTY-OTHER	C	WOODBINE AQUIFER | DENTON COUNTY	500	500	500	500	500	500
MANUFACTURING	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	4	5	4	4	3	2
MANUFACTURING	D	FORK LAKE/RESERVOIR	3	3	3	3	3	3
MANUFACTURING	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	13	13	12	11	10	9
MANUFACTURING	C	RAY HUBBARD LAKE/RESERVOIR	3	3	2	2	2	2
MANUFACTURING	C	RAY ROBERTS LAKE/RESERVOIR NON-SYSTEM PORTION	277	263	204	148	104	84
MANUFACTURING	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	20	24	28	23	20	17
MANUFACTURING	D	TAWAKONI LAKE/RESERVOIR	10	9	8	7	7	6

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
MANUFACTURING	C	TRINITY INDIRECT REUSE	13	14	14	15	15	14
MANUFACTURING	C	TRWD LAKE/RESERVOIR SYSTEM	26	26	25	23	21	19
MINING	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	272	36	116	212	282	218
MINING	C	LOCAL SURFACE WATER SUPPLY	1,366	1,366	1,366	1,366	1,366	1,366
MINING	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	953	131	554	971	1,253	1,430
MINING	C	TRINITY AQUIFER | DENTON COUNTY	1,572	1,572	1,572	1,572	1,572	1,572
MINING	C	TRINITY INDIRECT REUSE	163	9	39	91	120	93
STEAM ELECTRIC POWER	C	DIRECT REUSE	173	173	173	173	173	173
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	622	622	622	622	622	622
LIVESTOCK	C	TRINITY AQUIFER | DENTON COUNTY	240	240	240	240	240	240
LIVESTOCK	C	WOODBINE AQUIFER | DENTON COUNTY	490	490	490	490	490	490
IRRIGATION	C	DIRECT REUSE	1,962	1,962	1,962	1,962	1,962	1,962
IRRIGATION	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	1,520	1,407	1,281	1,191	1,141	1,100
IRRIGATION	C	TRINITY AQUIFER | DENTON COUNTY	400	400	400	400	400	400
IRRIGATION	C	WOODBINE AQUIFER | DENTON COUNTY	1,000	1,000	1,000	1,000	1,000	1,000
		TRINITY BASIN TOTAL	**183,390**	**185,956**	**188,955**	**187,887**	**186,003**	**179,707**
		DENTON COUNTY TOTAL	**183,390**	**185,956**	**188,955**	**187,887**	**186,003**	**179,707**
AVALON WATER SUPPLY & SEWER SERVICE	C	TRINITY AQUIFER | ELLIS COUNTY	149	149	149	149	149	149
BRANDON IRENE WSC	G	BRAZOS RIVER AUTHORITY AQUILLA LAKE/RESERVOIR SYSTEM	8	11	13	15	18	19
BRANDON IRENE WSC	G	TRINITY AQUIFER | HILL COUNTY	8	10	11	14	17	18
BUENA VISTA-BETHEL SUD	C	BARDWELL LAKE/RESERVOIR	223	362	462	460	498	511
BUENA VISTA-BETHEL SUD	C	TRINITY AQUIFER | ELLIS COUNTY	50	50	100	100	100	100
BUENA VISTA-BETHEL SUD	C	TRINITY INDIRECT REUSE	394	474	535	622	710	769
BUENA VISTA-BETHEL SUD	C	TRWD LAKE/RESERVOIR SYSTEM	298	326	309	518	796	963
BUENA VISTA-BETHEL SUD	C	WAXAHACHIE LAKE/RESERVOIR	317	329	300	301	330	341
CEDAR HILL	D	FORK LAKE/RESERVOIR	17	22	27	34	34	33
CEDAR HILL	C	RAY HUBBARD LAKE/RESERVOIR	15	18	20	23	22	21
CEDAR HILL	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	35	38	41	46	40	36
CEDAR HILL	D	TAWAKONI LAKE/RESERVOIR	52	60	66	75	69	66
CEDAR HILL	C	TRINITY AQUIFER | DALLAS COUNTY	2	2	3	3	3	3
CEDAR HILL	C	TRINITY INDIRECT REUSE	11	15	19	26	31	34
EAST GARRETT WSC	C	BARDWELL LAKE/RESERVOIR	246	273	284	251	186	250
EAST GARRETT WSC	C	TRWD LAKE/RESERVOIR SYSTEM	0	33	89	119	103	160
ENNIS	C	BARDWELL LAKE/RESERVOIR	4,424	4,119	3,950	3,850	3,735	3,504
ENNIS	C	TRWD LAKE/RESERVOIR SYSTEM	0	506	1,229	1,820	2,062	2,245
FERRIS	C	JOE POOL LAKE/RESERVOIR	133	159	184	140	107	79
FERRIS	C	TRWD LAKE/RESERVOIR SYSTEM	327	605	732	733	711	639
FILES VALLEY WSC	G	BRAZOS RIVER AUTHORITY AQUILLA LAKE/RESERVOIR SYSTEM	266	342	390	447	499	518
GLENN HEIGHTS	D	FORK LAKE/RESERVOIR	50	64	79	101	125	184
GLENN HEIGHTS	C	RAY HUBBARD LAKE/RESERVOIR	45	52	59	69	79	114
GLENN HEIGHTS	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	104	111	119	135	146	198
GLENN HEIGHTS	D	TAWAKONI LAKE/RESERVOIR	153	175	193	223	250	367

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
GLENN HEIGHTS	C	TRINITY AQUIFER | DALLAS COUNTY	15	14	14	14	15	17
GLENN HEIGHTS	C	TRINITY INDIRECT REUSE	33	43	55	78	114	192
GLENN HEIGHTS	C	WOODBINE AQUIFER | DALLAS COUNTY	10	9	9	10	10	11
GRAND PRAIRIE	D	FORK LAKE/RESERVOIR	1	1	1	2	2	3
GRAND PRAIRIE	C	RAY HUBBARD LAKE/RESERVOIR	1	1	1	1	1	2
GRAND PRAIRIE	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	2	2	2	3	3	3
GRAND PRAIRIE	D	TAWAKONI LAKE/RESERVOIR	3	3	4	4	5	5
GRAND PRAIRIE	C	TRINITY INDIRECT REUSE	1	1	1	1	2	3
GRAND PRAIRIE	C	TRWD LAKE/RESERVOIR SYSTEM	0	1	0	1	1	2
HILCO UNITED SERVICES	G	BRAZOS RIVER AUTHORITY AQUILLA LAKE/RESERVOIR SYSTEM	4	4	4	4	4	4
HILCO UNITED SERVICES	G	TRINITY AQUIFER | HILL COUNTY	23	22	21	23	22	23
ITALY	C	TRINITY AQUIFER | ELLIS COUNTY	113	11	11	11	11	11
ITALY	C	WOODBINE AQUIFER | ELLIS COUNTY	198	198	198	198	198	198
MANSFIELD	C	TRWD LAKE/RESERVOIR SYSTEM	30	25	27	34	37	42
MIDLOTHIAN	C	JOE POOL LAKE/RESERVOIR	2,470	2,349	2,228	2,716	2,969	3,123
MIDLOTHIAN	C	TRWD LAKE/RESERVOIR SYSTEM	1,509	2,009	1,989	1,988	1,972	2,011
MOUNTAIN PEAK SUD	C	JOE POOL LAKE/RESERVOIR	1,121	1,121	1,121	918	793	702
MOUNTAIN PEAK SUD	C	TRINITY AQUIFER | ELLIS COUNTY	1,200	1,200	1,200	1,200	1,200	1,200
MOUNTAIN PEAK SUD	C	TRWD LAKE/RESERVOIR SYSTEM	0	0	0	203	328	419
OVILLA	D	FORK LAKE/RESERVOIR	119	153	186	238	294	518
OVILLA	C	RAY HUBBARD LAKE/RESERVOIR	106	124	139	163	185	322
OVILLA	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	248	265	282	317	341	557
OVILLA	D	TAWAKONI LAKE/RESERVOIR	366	418	456	524	585	1,033
OVILLA	C	TRINITY INDIRECT REUSE	78	102	131	184	267	541
PALMER	C	JOE POOL LAKE/RESERVOIR	79	67	70	61	53	64
PALMER	C	TRWD LAKE/RESERVOIR SYSTEM	195	257	278	315	349	522
RED OAK	D	FORK LAKE/RESERVOIR	79	162	213	301	372	557
RED OAK	C	RAY HUBBARD LAKE/RESERVOIR	70	132	159	206	234	346
RED OAK	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	163	280	323	400	434	598
RED OAK	D	TAWAKONI LAKE/RESERVOIR	241	444	523	663	741	1,110
RED OAK	C	TRINITY INDIRECT REUSE	52	109	150	233	339	581
RED OAK	C	WOODBINE AQUIFER | ELLIS COUNTY	516	0	0	0	0	0
RICE WATER SUPPLY AND SEWER SERVICE	C	BARDWELL LAKE/RESERVOIR	31	28	23	16	10	6
RICE WATER SUPPLY AND SEWER SERVICE	C	NAVARRO MILLS LAKE/RESERVOIR	558	668	801	901	977	1,018
RICE WATER SUPPLY AND SEWER SERVICE	C	RICHLAND CHAMBERS LAKE/RESERVOIR NON-SYSTEM PORTION	112	134	160	180	196	204
RICE WATER SUPPLY AND SEWER SERVICE	C	TRWD LAKE/RESERVOIR SYSTEM	0	3	7	7	6	4
ROCKETT SUD	C	JOE POOL LAKE/RESERVOIR	1,294	1,134	1,035	927	844	729
ROCKETT SUD	C	TRWD LAKE/RESERVOIR SYSTEM	3,211	4,310	4,123	4,861	5,614	5,919
SARDIS LONE ELM WSC	C	JOE POOL LAKE/RESERVOIR	670	821	877	621	444	296
SARDIS LONE ELM WSC	C	TRINITY AQUIFER | ELLIS COUNTY	956	450	450	450	450	450
SARDIS LONE ELM WSC	C	TRWD LAKE/RESERVOIR SYSTEM	1,016	666	572	784	937	1,062
SARDIS LONE ELM WSC	C	WOODBINE AQUIFER | ELLIS COUNTY	898	1,404	1,404	1,404	1,404	1,404

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
SOUTH ELLIS COUNTY WSC	C	TRINITY AQUIFER | ELLIS COUNTY	401	476	579	580	580	580
VENUS		NO WATER SUPPLY ASSOCIATED WITH WUG	0	0	0	0	0	0
WAXAHACHIE	C	BARDWELL LAKE/RESERVOIR	1,250	1,874	2,510	2,363	2,142	1,988
WAXAHACHIE	C	TRINITY INDIRECT REUSE	2,195	2,446	2,903	3,195	3,052	2,994
WAXAHACHIE	C	TRWD LAKE/RESERVOIR SYSTEM	1,660	1,684	1,676	2,664	3,422	3,746
WAXAHACHIE	C	WAXAHACHIE LAKE/RESERVOIR	1,767	1,698	1,630	1,549	1,415	1,328
COUNTY-OTHER	C	BARDWELL LAKE/RESERVOIR	16	24	49	162	469	634
COUNTY-OTHER	G	BRAZOS RIVER AUTHORITY AQUILLA LAKE/RESERVOIR SYSTEM	66	67	69	74	80	89
COUNTY-OTHER	C	JOE POOL LAKE/RESERVOIR	33	17	21	37	97	202
COUNTY-OTHER	C	TRINITY AQUIFER | ELLIS COUNTY	89	89	89	448	809	811
COUNTY-OTHER	C	TRINITY INDIRECT REUSE	7	8	16	85	398	622
COUNTY-OTHER	C	TRWD LAKE/RESERVOIR SYSTEM	477	458	371	459	938	1,941
COUNTY-OTHER	C	WAXAHACHIE LAKE/RESERVOIR	5	6	9	41	185	276
MANUFACTURING	C	BARDWELL LAKE/RESERVOIR	949	1,129	1,104	810	555	383
MANUFACTURING	C	TRINITY AQUIFER | ELLIS COUNTY	546	763	763	763	763	763
MANUFACTURING	C	TRINITY INDIRECT REUSE	716	712	705	634	498	402
MANUFACTURING	C	TRWD LAKE/RESERVOIR SYSTEM	1,634	1,417	1,327	1,353	1,280	1,130
MANUFACTURING	C	WAXAHACHIE LAKE/RESERVOIR	576	494	396	307	231	178
MANUFACTURING	C	WOODBINE AQUIFER | ELLIS COUNTY	270	270	270	270	270	270
MINING	C	TRINITY AQUIFER | ELLIS COUNTY	931	547	164	123	82	55
STEAM ELECTRIC POWER	C	DIRECT REUSE	621	621	621	621	621	621
STEAM ELECTRIC POWER	C	TRWD LAKE/RESERVOIR SYSTEM	141	91	82	71	65	59
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	1,112	1,112	1,112	1,112	1,112	1,112
LIVESTOCK	C	WOODBINE AQUIFER | ELLIS COUNTY	28	28	28	28	28	28
IRRIGATION	C	TRINITY AQUIFER | ELLIS COUNTY	469	469	469	469	469	469
IRRIGATION	C	TRINITY RUN-OF-RIVER	3	3	3	3	3	3
IRRIGATION	C	WOODBINE AQUIFER | ELLIS COUNTY	147	147	147	147	147	147
		TRINITY BASIN TOTAL	**41,228**	**44,100**	**45,724**	**49,807**	**53,294**	**57,964**
		ELLIS COUNTY TOTAL	**41,228**	**44,100**	**45,724**	**49,807**	**53,294**	**57,964**
ARLEDGE RIDGE WSC	C	WOODBINE AQUIFER | FANNIN COUNTY	134	134	134	134	134	134
BOIS D ARC MUD	C	WOODBINE AQUIFER | FANNIN COUNTY	232	232	232	232	232	232
BONHAM	C	BONHAM LAKE/RESERVOIR	2,024	2,505	3,184	3,187	3,188	3,189
DESERT WSC	C	WOODBINE AQUIFER | FANNIN COUNTY	1	1	1	0	1	1
DESERT WSC	C	WOODBINE AQUIFER | GRAYSON COUNTY	2	0	1	0	1	2
HONEY GROVE	C	WOODBINE AQUIFER | FANNIN COUNTY	61	61	61	61	61	61
LEONARD	C	WOODBINE AQUIFER | FANNIN COUNTY	271	262	250	243	233	220
SOUTHWEST FANNIN COUNTY SUD	C	WOODBINE AQUIFER | FANNIN COUNTY	321	319	318	316	315	314
SOUTHWEST FANNIN COUNTY SUD	C	WOODBINE AQUIFER | GRAYSON COUNTY	100	94	87	80	75	72
TRENTON	C	WOODBINE AQUIFER | FANNIN COUNTY	0	0	0	0	0	0
WHITE SHED WSC	C	WOODBINE AQUIFER | FANNIN COUNTY	301	301	301	301	301	301
WHITEWRIGHT	C	WOODBINE AQUIFER | GRAYSON COUNTY	1	2	3	2	3	2
COUNTY-OTHER	C	SULPHUR RUN-OF-RIVER	43	43	43	43	43	43
COUNTY-OTHER	C	TRINITY AQUIFER | FANNIN COUNTY	162	162	162	162	162	162
COUNTY-OTHER	C	WOODBINE AQUIFER | FANNIN COUNTY	379	378	379	379	379	379
MANUFACTURING	C	BONHAM LAKE/RESERVOIR	12	12	11	8	5	4

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
MINING	C	RED RUN-OF-RIVER	55	55	55	55	55	55
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	971	971	971	971	971	971
LIVESTOCK	C	OTHER AQUIFER | FANNIN COUNTY	8	8	8	8	8	8
LIVESTOCK	C	TRINITY AQUIFER | FANNIN COUNTY	238	238	238	238	238	238
LIVESTOCK	C	WOODBINE AQUIFER | FANNIN COUNTY	24	24	24	24	24	24
IRRIGATION	C	OTHER AQUIFER | FANNIN COUNTY	510	510	510	510	510	510
IRRIGATION	C	RED RUN-OF-RIVER	4,269	4,269	4,269	4,269	4,269	4,269
IRRIGATION	C	WOODBINE AQUIFER | FANNIN COUNTY	180	180	180	180	180	180
		RED BASIN TOTAL	**10,299**	**10,761**	**11,422**	**11,403**	**11,388**	**11,371**
ARLEDGE RIDGE WSC	C	WOODBINE AQUIFER | FANNIN COUNTY	53	53	53	53	53	53
DELTA COUNTY MUD	D	BIG CREEK LAKE/RESERVOIR	3	3	3	3	3	3
HICKORY CREEK SUD	D	WOODBINE AQUIFER | HUNT COUNTY	21	16	12	9	7	7
HONEY GROVE	C	WOODBINE AQUIFER | FANNIN COUNTY	231	231	231	231	231	231
LADONIA	C	TRINITY AQUIFER | FANNIN COUNTY	248	248	248	248	248	248
LEONARD	C	WOODBINE AQUIFER | FANNIN COUNTY	55	65	76	84	94	107
NORTH HUNT SUD	D	TAWAKONI LAKE/RESERVOIR	18	16	13	11	9	7
NORTH HUNT SUD	D	WOODBINE AQUIFER | HUNT COUNTY	6	6	5	4	4	3
WOLFE CITY	D	TURKEY CREEK LAKE/RESERVOIR	10	10	10	10	10	10
WOLFE CITY	C	WOODBINE AQUIFER | FANNIN COUNTY	4	3	4	4	4	4
COUNTY-OTHER	C	SULPHUR RUN-OF-RIVER	3	3	3	3	3	3
COUNTY-OTHER	C	TRINITY AQUIFER | FANNIN COUNTY	10	10	10	10	10	10
COUNTY-OTHER	C	WOODBINE AQUIFER | FANNIN COUNTY	23	24	23	23	23	23
MINING	C	RED RUN-OF-RIVER	17	17	17	17	17	17
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	273	273	273	273	273	273
LIVESTOCK	C	OTHER AQUIFER | FANNIN COUNTY	2	2	2	2	2	2
LIVESTOCK	C	TRINITY AQUIFER | FANNIN COUNTY	67	67	67	67	67	67
LIVESTOCK	C	WOODBINE AQUIFER | FANNIN COUNTY	7	7	7	7	7	7
IRRIGATION	C	OTHER AQUIFER | FANNIN COUNTY	11	11	11	11	11	11
IRRIGATION	C	RED RUN-OF-RIVER	90	90	90	90	90	90
IRRIGATION	C	WOODBINE AQUIFER | FANNIN COUNTY	4	4	4	4	4	4
		SULPHUR BASIN TOTAL	**1,156**	**1,159**	**1,162**	**1,164**	**1,170**	**1,180**
DESERT WSC	C	WOODBINE AQUIFER | FANNIN COUNTY	77	79	76	79	86	96
DESERT WSC	C	WOODBINE AQUIFER | GRAYSON COUNTY	77	79	76	79	86	96
HICKORY CREEK SUD	D	WOODBINE AQUIFER | HUNT COUNTY	2	1	1	1	1	1
LEONARD	C	WOODBINE AQUIFER | FANNIN COUNTY	5	4	5	4	4	4
SOUTHWEST FANNIN COUNTY SUD	C	WOODBINE AQUIFER | FANNIN COUNTY	16	16	16	16	16	16
SOUTHWEST FANNIN COUNTY SUD	C	WOODBINE AQUIFER | GRAYSON COUNTY	5	5	4	4	4	4
TRENTON	C	WOODBINE AQUIFER | FANNIN COUNTY	136	136	136	136	136	136
WEST LEONARD WSC	C	WOODBINE AQUIFER | FANNIN COUNTY	331	328	311	293	276	270
COUNTY-OTHER	C	SULPHUR RUN-OF-RIVER	3	3	3	3	3	3
COUNTY-OTHER	C	TRINITY AQUIFER | FANNIN COUNTY	12	12	12	12	12	12
COUNTY-OTHER	C	WOODBINE AQUIFER | FANNIN COUNTY	28	28	28	28	28	28
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	62	62	62	62	62	62
LIVESTOCK	C	TRINITY AQUIFER | FANNIN COUNTY	15	15	15	15	15	15
LIVESTOCK	C	WOODBINE AQUIFER | FANNIN COUNTY	1	1	1	1	1	1
IRRIGATION	C	OTHER AQUIFER | FANNIN COUNTY	30	30	30	30	30	30

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
IRRIGATION	C	RED RUN-OF-RIVER	254	254	254	254	254	254
IRRIGATION	C	WOODBINE AQUIFER | FANNIN COUNTY	11	11	11	11	11	11
		TRINITY BASIN TOTAL	**1,065**	**1,064**	**1,041**	**1,028**	**1,025**	**1,039**
		FANNIN COUNTY TOTAL	**12,520**	**12,984**	**13,625**	**13,595**	**13,583**	**13,590**
POINT ENTERPRISE WSC	C	CARRIZO-WILCOX AQUIFER | FREESTONE COUNTY	52	52	52	51	52	52
SOUTH FREESTONE COUNTY WSC	C	CARRIZO-WILCOX AQUIFER | FREESTONE COUNTY	37	37	37	37	37	37
TEAGUE	C	CARRIZO-WILCOX AQUIFER | FREESTONE COUNTY	306	306	306	306	306	306
COUNTY-OTHER	C	CARRIZO-WILCOX AQUIFER | FREESTONE COUNTY	98	98	98	98	98	98
COUNTY-OTHER	C	NAVARRO MILLS LAKE/RESERVOIR	4	4	3	4	8	19
COUNTY-OTHER	C	RICHLAND CHAMBERS LAKE/RESERVOIR NON-SYSTEM PORTION	1	1	1	1	2	4
COUNTY-OTHER	C	TRINITY RUN-OF-RIVER	5	5	5	5	5	5
MINING	C	CARRIZO-WILCOX AQUIFER | FREESTONE COUNTY	98	98	98	98	98	98
MINING	C	LOCAL SURFACE WATER SUPPLY	13	13	13	13	13	13
STEAM ELECTRIC POWER	C	CARRIZO-WILCOX AQUIFER | FREESTONE COUNTY	7	7	7	7	7	7
STEAM ELECTRIC POWER	C	FAIRFIELD LAKE/RESERVOIR	91	91	91	91	91	91
STEAM ELECTRIC POWER	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	2,082	2,082	2,082	2,082	2,082	2,082
STEAM ELECTRIC POWER	C	TRWD LAKE/RESERVOIR SYSTEM	671	607	567	540	533	517
LIVESTOCK	C	CARRIZO-WILCOX AQUIFER | FREESTONE COUNTY	2	2	2	2	2	2
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	12	12	12	12	12	12
IRRIGATION	C	CARRIZO-WILCOX AQUIFER | FREESTONE COUNTY	66	66	66	66	66	66
IRRIGATION	C	TRINITY RUN-OF-RIVER	9	9	9	9	9	9
		BRAZOS BASIN TOTAL	**3,554**	**3,490**	**3,449**	**3,422**	**3,421**	**3,418**
BUTLER WSC	C	CARRIZO-WILCOX AQUIFER | FREESTONE COUNTY	223	223	223	223	223	223
FAIRFIELD	C	CARRIZO-WILCOX AQUIFER | FREESTONE COUNTY	1,100	1,100	1,100	1,100	1,100	1,100
FLO COMMUNITY WSC	H	CARRIZO-WILCOX AQUIFER | LEON COUNTY	58	60	62	63	65	66
PLEASANT GROVE WSC	C	CARRIZO-WILCOX AQUIFER | FREESTONE COUNTY	355	354	356	355	355	355
POINT ENTERPRISE WSC	C	CARRIZO-WILCOX AQUIFER | FREESTONE COUNTY	48	48	48	49	48	49
SOUTH FREESTONE COUNTY WSC	C	CARRIZO-WILCOX AQUIFER | FREESTONE COUNTY	200	200	200	200	200	200
TEAGUE	C	CARRIZO-WILCOX AQUIFER | FREESTONE COUNTY	332	332	332	332	332	332
WORTHAM	G	CARRIZO-WILCOX AQUIFER | LIMESTONE COUNTY	157	157	157	157	157	157
COUNTY-OTHER	C	CARRIZO-WILCOX AQUIFER | FREESTONE COUNTY	750	750	750	750	750	750
COUNTY-OTHER	C	NAVARRO MILLS LAKE/RESERVOIR	31	30	27	29	64	143
COUNTY-OTHER	C	RICHLAND CHAMBERS LAKE/RESERVOIR NON-SYSTEM PORTION	6	6	5	6	12	29
COUNTY-OTHER	C	TRINITY RUN-OF-RIVER	36	36	36	36	36	36
MANUFACTURING	C	CARRIZO-WILCOX AQUIFER | FREESTONE COUNTY	19	19	19	19	19	19
MINING	C	CARRIZO-WILCOX AQUIFER | FREESTONE COUNTY	794	794	794	794	794	794
MINING	C	LOCAL SURFACE WATER SUPPLY	107	107	107	107	107	107
STEAM ELECTRIC POWER	C	CARRIZO-WILCOX AQUIFER | FREESTONE COUNTY	63	63	63	63	63	63
STEAM ELECTRIC POWER	C	FAIRFIELD LAKE/RESERVOIR	779	779	779	779	779	779
STEAM ELECTRIC POWER	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	17,918	17,918	17,918	17,918	17,918	17,918
STEAM ELECTRIC POWER	C	TRWD LAKE/RESERVOIR SYSTEM	5,772	5,223	4,881	4,650	4,583	4,446
LIVESTOCK	C	CARRIZO-WILCOX AQUIFER | FREESTONE COUNTY	132	132	132	132	132	132
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	1,031	1,031	1,031	1,031	1,031	1,031
IRRIGATION	C	CARRIZO-WILCOX AQUIFER | FREESTONE COUNTY	547	547	547	547	547	547
IRRIGATION	C	TRINITY RUN-OF-RIVER	78	78	78	78	78	78

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
		TRINITY BASIN TOTAL	**30,536**	**29,987**	**29,645**	**29,418**	**29,393**	**29,354**
		FREESTONE COUNTY TOTAL	**34,090**	**33,477**	**33,094**	**32,840**	**32,814**	**32,772**
BELLS	C	TRINITY AQUIFER | GRAYSON COUNTY	175	175	175	175	175	175
BELLS	C	WOODBINE AQUIFER | GRAYSON COUNTY	107	107	107	107	107	107
DENISON	C	RANDELL LAKE/RESERVOIR	852	855	854	860	865	873
DENISON	C	TEXOMA LAKE/RESERVOIR NON-SYSTEM PORTION	5,542	5,530	5,438	5,362	5,175	5,321
DENISON	C	WOODBINE AQUIFER | GRAYSON COUNTY	84	84	84	84	84	84
DORCHESTER	C	TRINITY AQUIFER | GRAYSON COUNTY	57	57	57	57	57	57
DORCHESTER	C	WOODBINE AQUIFER | GRAYSON COUNTY	76	76	76	77	76	77
HOWE	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	0	3	6	9	12	15
HOWE	C	TRINITY INDIRECT REUSE	0	2	5	8	12	16
HOWE	C	WOODBINE AQUIFER | GRAYSON COUNTY	80	80	79	80	80	79
KENTUCKYTOWN WSC	C	WOODBINE AQUIFER | GRAYSON COUNTY	187	187	188	187	187	187
LUELLA SUD	C	WOODBINE AQUIFER | GRAYSON COUNTY	340	341	340	340	340	340
NORTHWEST GRAYSON COUNTY WCID 1	C	TRINITY AQUIFER | GRAYSON COUNTY	163	163	163	163	163	163
OAK RIDGE SOUTH GALE WSC	C	RANDELL LAKE/RESERVOIR	37	32	34	34	38	41
OAK RIDGE SOUTH GALE WSC	C	TEXOMA LAKE/RESERVOIR NON-SYSTEM PORTION	170	147	155	155	173	184
PINK HILL WSC	C	TRINITY AQUIFER | GRAYSON COUNTY	128	128	128	128	128	128
PINK HILL WSC	C	WOODBINE AQUIFER | GRAYSON COUNTY	100	100	100	100	100	100
POTTSBORO	C	TEXOMA LAKE/RESERVOIR NON-SYSTEM PORTION	311	381	469	572	783	673
POTTSBORO	C	WOODBINE AQUIFER | GRAYSON COUNTY	112	112	112	112	112	112
RED RIVER AUTHORITY OF TEXAS	C	TEXOMA LAKE/RESERVOIR NON-SYSTEM PORTION	358	392	421	454	487	467
SHERMAN	C	TEXOMA LAKE/RESERVOIR NON-SYSTEM PORTION	4,761	5,103	5,212	6,069	8,057	9,017
SHERMAN	C	TRINITY AQUIFER | GRAYSON COUNTY	4,944	4,944	4,944	4,944	4,944	4,944
SHERMAN	C	WOODBINE AQUIFER | GRAYSON COUNTY	996	996	996	996	996	996
SOUTHMAYD	C	WOODBINE AQUIFER | GRAYSON COUNTY	94	94	94	94	94	94
SOUTHWEST FANNIN COUNTY SUD	C	WOODBINE AQUIFER | FANNIN COUNTY	141	143	144	146	147	148
SOUTHWEST FANNIN COUNTY SUD	C	WOODBINE AQUIFER | GRAYSON COUNTY	44	50	58	65	70	73
STARR WSC	C	TRINITY AQUIFER | GRAYSON COUNTY	504	504	504	504	504	504
TOM BEAN	C	WOODBINE AQUIFER | GRAYSON COUNTY	30	31	30	30	30	30
TWO WAY SUD	C	TRINITY AQUIFER | GRAYSON COUNTY	306	307	307	308	309	309
WHITESBORO	C	TRINITY AQUIFER | GRAYSON COUNTY	254	254	254	254	254	254
WHITEWRIGHT	C	WOODBINE AQUIFER | GRAYSON COUNTY	302	301	300	300	300	301
COUNTY-OTHER	C	RANDELL LAKE/RESERVOIR	66	60	59	53	45	34
COUNTY-OTHER	C	TEXOMA LAKE/RESERVOIR NON-SYSTEM PORTION	893	888	886	880	738	709
COUNTY-OTHER	C	TRINITY AQUIFER | GRAYSON COUNTY	73	73	73	73	73	73
COUNTY-OTHER	C	WOODBINE AQUIFER | GRAYSON COUNTY	73	73	73	73	73	73
MANUFACTURING	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	16	13	11	11	8	8
MANUFACTURING	C	RANDELL LAKE/RESERVOIR	442	450	450	450	450	450
MANUFACTURING	C	RED RUN-OF-RIVER	30	30	30	30	30	30
MANUFACTURING	C	TEXOMA LAKE/RESERVOIR NON-SYSTEM PORTION	2,206	2,250	2,250	2,250	1,834	1,110
MANUFACTURING	C	TRINITY INDIRECT REUSE	10	11	10	9	10	9
MANUFACTURING	C	WOODBINE AQUIFER | GRAYSON COUNTY	692	692	692	692	692	692
MINING	C	TRINITY AQUIFER | GRAYSON COUNTY	212	212	212	212	212	212
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	687	687	687	687	687	687

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
LIVESTOCK	C	TRINITY AQUIFER | GRAYSON COUNTY	67	67	67	67	67	67
LIVESTOCK	C	WOODBINE AQUIFER | GRAYSON COUNTY	138	138	138	138	138	138
IRRIGATION	C	RED RUN-OF-RIVER	604	604	604	604	604	604
IRRIGATION	C	TRINITY AQUIFER | GRAYSON COUNTY	653	653	653	653	653	653
IRRIGATION	C	WOODBINE AQUIFER | GRAYSON COUNTY	1,222	1,222	1,222	1,222	1,222	1,222
		RED BASIN TOTAL	**29,339**	**29,802**	**29,951**	**30,878**	**32,395**	**32,640**
COLLINSVILLE	C	TRINITY AQUIFER | GRAYSON COUNTY	242	242	242	242	242	242
DESERT WSC	C	WOODBINE AQUIFER | FANNIN COUNTY	71	69	69	63	53	44
DESERT WSC	C	WOODBINE AQUIFER | GRAYSON COUNTY	71	70	69	63	53	43
DORCHESTER	C	TRINITY AQUIFER | GRAYSON COUNTY	27	27	27	27	27	27
DORCHESTER	C	WOODBINE AQUIFER | GRAYSON COUNTY	37	37	37	36	37	36
GUNTER	C	TEXOMA LAKE/RESERVOIR NON-SYSTEM PORTION	124	227	354	483	513	376
GUNTER	C	TRINITY AQUIFER | GRAYSON COUNTY	173	173	173	173	173	173
HOWE	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	0	8	17	22	31	38
HOWE	C	TRINITY INDIRECT REUSE	0	6	14	21	30	41
HOWE	C	WOODBINE AQUIFER | GRAYSON COUNTY	202	202	203	202	202	203
KENTUCKYTOWN WSC	C	WOODBINE AQUIFER | GRAYSON COUNTY	178	178	177	178	178	178
LUELLA SUD	C	WOODBINE AQUIFER | GRAYSON COUNTY	50	49	50	50	50	50
MARILEE SUD	C	TEXOMA LAKE/RESERVOIR NON-SYSTEM PORTION	78	92	105	103	83	50
MARILEE SUD	C	TRINITY AQUIFER | COLLIN COUNTY	249	262	267	268	268	268
MARILEE SUD	C	TRINITY AQUIFER | GRAYSON COUNTY	130	137	140	140	140	140
MUSTANG SUD	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	5	5	4	3	3	2
MUSTANG SUD	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	17	18	17	15	14	12
MUSTANG SUD	C	TRINITY AQUIFER | DENTON COUNTY	14	7	5	4	3	3
MUSTANG SUD	C	TRINITY INDIRECT REUSE	3	1	1	1	1	1
MUSTANG SUD	C	WOODBINE AQUIFER | DENTON COUNTY	1	0	0	0	0	0
SOUTH GRAYSON SUD	C	TRINITY AQUIFER | GRAYSON COUNTY	281	268	254	239	229	220
SOUTH GRAYSON SUD	C	WOODBINE AQUIFER | GRAYSON COUNTY	74	71	67	63	61	58
TIOGA	C	TRINITY AQUIFER | GRAYSON COUNTY	165	165	165	165	165	165
TOM BEAN	C	WOODBINE AQUIFER | GRAYSON COUNTY	207	206	207	207	207	207
TWO WAY SUD	C	TRINITY AQUIFER | GRAYSON COUNTY	168	168	169	169	170	170
VAN ALSTYNE	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	6	90	188	264	585	625
VAN ALSTYNE	C	TRINITY AQUIFER | GRAYSON COUNTY	300	300	300	300	300	300
VAN ALSTYNE	C	TRINITY INDIRECT REUSE	3	71	159	245	588	666
VAN ALSTYNE	C	WOODBINE AQUIFER | GRAYSON COUNTY	208	208	208	208	208	208
WESTMINSTER WSC	C	WOODBINE AQUIFER | COLLIN COUNTY	3	3	3	3	3	3
WESTMINSTER WSC	C	WOODBINE AQUIFER | GRAYSON COUNTY	3	3	3	3	3	3
WHITESBORO	C	TRINITY AQUIFER | GRAYSON COUNTY	293	293	293	293	293	293
WHITEWRIGHT	C	WOODBINE AQUIFER | GRAYSON COUNTY	2	2	2	3	2	2
WOODBINE WSC	C	HUBERT H MOSS LAKE/RESERVOIR	1	2	3	2	2	2
WOODBINE WSC	C	TRINITY AQUIFER | COOKE COUNTY	7	7	7	7	7	7
COUNTY-OTHER	C	RANDELL LAKE/RESERVOIR	2	2	2	2	1	1
COUNTY-OTHER	C	TEXOMA LAKE/RESERVOIR NON-SYSTEM PORTION	28	27	28	28	23	22
COUNTY-OTHER	C	TRINITY AQUIFER | GRAYSON COUNTY	2	2	2	2	2	2
COUNTY-OTHER	C	WOODBINE AQUIFER | GRAYSON COUNTY	2	2	2	2	2	2
MANUFACTURING	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	0	0	0	0	0	0

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
MANUFACTURING	C	RANDELL LAKE/RESERVOIR	1	1	1	1	1	1
MANUFACTURING	C	RED RUN-OF-RIVER	0	0	0	0	0	0
MANUFACTURING	C	TEXOMA LAKE/RESERVOIR NON-SYSTEM PORTION	7	7	7	7	6	3
MANUFACTURING	C	TRINITY INDIRECT REUSE	0	0	0	0	0	0
MANUFACTURING	C	WOODBINE AQUIFER | GRAYSON COUNTY	2	2	2	2	2	2
STEAM ELECTRIC POWER	C	TEXOMA LAKE/RESERVOIR NON-SYSTEM PORTION	4,387	4,387	4,387	4,387	4,387	4,387
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	388	388	388	388	388	388
LIVESTOCK	C	TRINITY AQUIFER | GRAYSON COUNTY	37	37	37	37	37	37
LIVESTOCK	C	WOODBINE AQUIFER | GRAYSON COUNTY	77	77	77	77	77	77
IRRIGATION	C	RED RUN-OF-RIVER	487	487	487	487	487	487
IRRIGATION	C	TRINITY AQUIFER | GRAYSON COUNTY	526	526	526	526	526	526
IRRIGATION	C	WOODBINE AQUIFER | GRAYSON COUNTY	985	985	985	985	985	985
		TRINITY BASIN TOTAL	**10,324**	**10,597**	**10,930**	**11,196**	**11,848**	**11,776**
		GRAYSON COUNTY TOTAL	**39,663**	**40,399**	**40,881**	**42,074**	**44,243**	**44,416**
ATHENS	I	ATHENS LAKE/RESERVOIR	1,700	1,971	2,099	2,272	3,232	3,771
ATHENS	C	CARRIZO-WILCOX AQUIFER | HENDERSON COUNTY	1,206	1,192	1,205	1,218	1,284	1,314
B B S WSC	I	CARRIZO-WILCOX AQUIFER | ANDERSON COUNTY	3	3	3	3	3	3
BETHEL ASH WSC	C	CARRIZO-WILCOX AQUIFER | HENDERSON COUNTY	323	323	323	323	323	323
CRESCENT HEIGHTS WSC	C	CARRIZO-WILCOX AQUIFER | HENDERSON COUNTY	296	296	296	296	296	296
DOGWOOD ESTATES WATER	C	CARRIZO-WILCOX AQUIFER | HENDERSON COUNTY	195	195	195	195	195	195
EAST CEDAR CREEK FWSD	C	TRWD LAKE/RESERVOIR SYSTEM	1,155	1,155	1,155	1,139	1,134	1,126
EUSTACE	C	CARRIZO-WILCOX AQUIFER | HENDERSON COUNTY	159	159	159	159	159	159
MABANK	C	TRWD LAKE/RESERVOIR SYSTEM	474	477	483	474	471	471
MALAKOFF	C	CARRIZO-WILCOX AQUIFER | HENDERSON COUNTY	246	244	244	244	244	244
MALAKOFF	C	TRWD LAKE/RESERVOIR SYSTEM	28	28	25	26	35	48
TRINIDAD	C	TRINIDAD CITY LAKE/RESERVOIR	450	450	450	450	450	450
VIRGINIA HILL WSC	C	CARRIZO-WILCOX AQUIFER | HENDERSON COUNTY	215	215	215	215	216	219
VIRGINIA HILL WSC	I	CARRIZO-WILCOX AQUIFER | HENDERSON COUNTY	149	149	149	149	150	152
WEST CEDAR CREEK MUD	C	TRWD LAKE/RESERVOIR SYSTEM	938	968	953	901	1,049	1,216
COUNTY-OTHER	C	CARRIZO-WILCOX AQUIFER | HENDERSON COUNTY	53	53	53	53	53	53
COUNTY-OTHER	C	TRWD LAKE/RESERVOIR SYSTEM	251	167	165	74	0	45
MANUFACTURING	I	ATHENS LAKE/RESERVOIR	330	421	415	404	319	246
MANUFACTURING	C	CARRIZO-WILCOX AQUIFER | HENDERSON COUNTY	558	574	563	550	492	465
MINING	C	CARRIZO-WILCOX AQUIFER | HENDERSON COUNTY	434	434	434	434	434	434
MINING	C	TRWD LAKE/RESERVOIR SYSTEM	130	152	138	125	115	104
STEAM ELECTRIC POWER	C	TRINIDAD LAKE/RESERVOIR	3,050	3,050	3,050	3,050	3,050	3,050
STEAM ELECTRIC POWER	C	TRWD LAKE/RESERVOIR SYSTEM	659	659	631	568	528	487
LIVESTOCK	C	CARRIZO-WILCOX AQUIFER | HENDERSON COUNTY	13	13	13	13	13	13
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	341	341	341	341	341	341
LIVESTOCK	C	QUEEN CITY AQUIFER | HENDERSON COUNTY	500	500	500	500	500	500
IRRIGATION	C	CARRIZO-WILCOX AQUIFER | HENDERSON COUNTY	135	135	135	135	135	135
IRRIGATION	C	DIRECT REUSE	32	32	32	32	32	32
IRRIGATION	C	TRINITY RUN-OF-RIVER	415	415	415	415	415	415
		TRINITY BASIN TOTAL	**14,438**	**14,771**	**14,839**	**14,758**	**15,668**	**16,307**
		HENDERSON COUNTY TOTAL	**14,438**	**14,771**	**14,839**	**14,758**	**15,668**	**16,307**
COUNTY-OTHER	C	CROSS TIMBERS AQUIFER | JACK COUNTY	204	204	204	204	204	204
COUNTY-OTHER	G	GRAHAM/EDDLEMAN LAKE/RESERVOIR	20	20	20	20	20	20

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
MANUFACTURING	C	LOST CREEK-JACKSBORO LAKE/RESERVOIR SYSTEM	1	1	1	1	1	1
MINING	C	CROSS TIMBERS AQUIFER | JACK COUNTY	82	82	82	82	82	82
MINING	C	LOCAL SURFACE WATER SUPPLY	148	148	148	148	148	148
MINING	C	TRWD LAKE/RESERVOIR SYSTEM	1,076	441	373	346	332	333
LIVESTOCK	C	CROSS TIMBERS AQUIFER | JACK COUNTY	38	38	38	38	38	38
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	231	231	231	231	231	231
IRRIGATION	C	CROSS TIMBERS AQUIFER | JACK COUNTY	14	14	14	14	14	14
IRRIGATION	C	DIRECT REUSE	7	6	6	6	6	6
IRRIGATION	C	TRINITY RUN-OF-RIVER	27	27	27	27	27	27
		BRAZOS BASIN TOTAL	**1,848**	**1,212**	**1,144**	**1,117**	**1,103**	**1,104**
JACKSBORO	C	LOST CREEK-JACKSBORO LAKE/RESERVOIR SYSTEM	682	707	720	726	733	733
COUNTY-OTHER	C	CROSS TIMBERS AQUIFER | JACK COUNTY	265	265	265	265	265	265
COUNTY-OTHER	G	GRAHAM/EDDLEMAN LAKE/RESERVOIR	26	26	26	26	26	26
MINING	C	CROSS TIMBERS AQUIFER | JACK COUNTY	122	122	122	122	122	122
MINING	C	LOCAL SURFACE WATER SUPPLY	222	222	222	222	222	222
MINING	C	TRWD LAKE/RESERVOIR SYSTEM	1,614	662	559	519	497	499
STEAM ELECTRIC POWER	C	TRWD LAKE/RESERVOIR SYSTEM	3,765	3,442	3,240	3,113	3,019	2,783
LIVESTOCK	C	CROSS TIMBERS AQUIFER | JACK COUNTY	92	92	92	92	92	92
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	571	571	571	571	571	571
IRRIGATION	C	CROSS TIMBERS AQUIFER | JACK COUNTY	41	41	41	41	41	41
IRRIGATION	C	DIRECT REUSE	20	20	20	19	19	18
IRRIGATION	C	TRINITY RUN-OF-RIVER	83	83	83	83	83	83
		TRINITY BASIN TOTAL	**7,503**	**6,253**	**5,961**	**5,799**	**5,690**	**5,455**
		JACK COUNTY TOTAL	**9,351**	**7,465**	**7,105**	**6,916**	**6,793**	**6,559**
ABLES SPRINGS WSC	D	FORK LAKE/RESERVOIR	10	0	0	0	0	0
ABLES SPRINGS WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	86	93	99	111	122	135
ABLES SPRINGS WSC	D	TAWAKONI LAKE/RESERVOIR	14	6	6	6	7	8
ABLES SPRINGS WSC	C	TRINITY INDIRECT REUSE	60	75	85	104	124	144
MACBEE SUD	D	TAWAKONI LAKE/RESERVOIR	16	85	92	101	111	122
POETRY WSC	D	FORK LAKE/RESERVOIR	2	0	0	0	0	0
POETRY WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	25	27	28	33	40	49
POETRY WSC	D	TAWAKONI LAKE/RESERVOIR	4	2	2	2	2	3
POETRY WSC	C	TRINITY INDIRECT REUSE	17	20	24	31	40	53
COUNTY-OTHER	D	FORK LAKE/RESERVOIR	0	0	0	0	0	0
COUNTY-OTHER	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	10	15	15	12	48	101
COUNTY-OTHER	D	TAWAKONI LAKE/RESERVOIR	2	0	0	1	2	5
COUNTY-OTHER	C	TRINITY INDIRECT REUSE	6	13	12	12	48	107
COUNTY-OTHER	C	TRWD LAKE/RESERVOIR SYSTEM	2	1	1	1	1	1
MINING	C	LOCAL SURFACE WATER SUPPLY	4	4	4	4	4	4
MINING	C	NACATOCH AQUIFER | KAUFMAN COUNTY	30	30	30	30	30	30
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	50	50	50	50	50	50
LIVESTOCK	C	NACATOCH AQUIFER | KAUFMAN COUNTY	3	3	3	3	3	3
IRRIGATION	C	DIRECT REUSE	2	2	2	2	2	2
IRRIGATION	C	NACATOCH AQUIFER | KAUFMAN COUNTY	0	0	0	0	0	0
IRRIGATION	C	RAY HUBBARD LAKE/RESERVOIR	0	0	0	0	0	0
IRRIGATION	C	TRINITY RUN-OF-RIVER	1	1	1	1	1	1
IRRIGATION	C	TRWD LAKE/RESERVOIR SYSTEM	0	0	0	0	0	0

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
		SABINE BASIN TOTAL	**344**	**427**	**454**	**504**	**635**	**818**
ABLES SPRINGS WSC	D	FORK LAKE/RESERVOIR	7	0	0	0	0	0
ABLES SPRINGS WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	68	74	79	88	97	106
ABLES SPRINGS WSC	D	TAWAKONI LAKE/RESERVOIR	11	4	4	5	5	6
ABLES SPRINGS WSC	C	TRINITY INDIRECT REUSE	48	58	67	82	96	113
BECKER JIBA WSC	D	FORK LAKE/RESERVOIR	17	0	0	0	0	0
BECKER JIBA WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	165	180	189	235	295	361
BECKER JIBA WSC	D	TAWAKONI LAKE/RESERVOIR	27	10	11	13	16	20
BECKER JIBA WSC	C	TRINITY INDIRECT REUSE	114	140	162	219	296	385
COLLEGE MOUND WSC	D	FORK LAKE/RESERVOIR	42	0	0	0	0	0
COLLEGE MOUND WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	393	429	455	509	673	784
COLLEGE MOUND WSC	D	TAWAKONI LAKE/RESERVOIR	64	24	26	29	38	44
COLLEGE MOUND WSC	C	TRINITY INDIRECT REUSE	274	336	390	474	677	836
COMBINE WSC	D	FORK LAKE/RESERVOIR	34	41	46	56	67	74
COMBINE WSC	C	RAY HUBBARD LAKE/RESERVOIR	30	33	34	38	42	46
COMBINE WSC	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	72	71	70	74	77	81
COMBINE WSC	D	TAWAKONI LAKE/RESERVOIR	105	111	113	123	133	149
COMBINE WSC	C	TRINITY INDIRECT REUSE	23	27	33	43	61	78
CRANDALL	D	FORK LAKE/RESERVOIR	38	0	0	0	0	0
CRANDALL	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	357	339	326	313	301	293
CRANDALL	D	TAWAKONI LAKE/RESERVOIR	58	19	18	18	17	16
CRANDALL	C	TRINITY INDIRECT REUSE	248	266	279	292	304	312
ELMO WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	108	118	123	143	178	218
ELMO WSC	C	TRINITY INDIRECT REUSE	76	93	106	134	180	232
FORNEY	D	FORK LAKE/RESERVOIR	166	0	0	0	0	0
FORNEY	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	1,574	1,589	1,765	1,948	2,550	2,639
FORNEY	D	TAWAKONI LAKE/RESERVOIR	255	90	99	109	143	147
FORNEY	C	TRINITY INDIRECT REUSE	1,093	1,247	1,508	1,816	2,565	2,814
FORNEY LAKE WSC	D	FORK LAKE/RESERVOIR	61	0	0	0	0	0
FORNEY LAKE WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	579	622	657	732	1,122	1,481
FORNEY LAKE WSC	D	TAWAKONI LAKE/RESERVOIR	94	35	37	41	63	83
FORNEY LAKE WSC	C	TRINITY INDIRECT REUSE	402	488	561	682	1,129	1,581
GASTONIA SCURRY SUD	D	FORK LAKE/RESERVOIR	38	0	0	0	0	0
GASTONIA SCURRY SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	362	393	418	475	715	1,027
GASTONIA SCURRY SUD	D	TAWAKONI LAKE/RESERVOIR	59	22	24	27	40	57
GASTONIA SCURRY SUD	C	TRINITY INDIRECT REUSE	251	309	356	443	719	1,094
HIGH POINT WSC	D	FORK LAKE/RESERVOIR	22	0	0	0	0	0
HIGH POINT WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	198	204	214	234	318	376
HIGH POINT WSC	D	TAWAKONI LAKE/RESERVOIR	32	12	12	14	18	22
HIGH POINT WSC	C	TRINITY INDIRECT REUSE	140	164	184	218	320	402
KAUFMAN	D	FORK LAKE/RESERVOIR	69	0	0	0	0	0
KAUFMAN	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	652	686	726	1,010	1,185	1,337
KAUFMAN	D	TAWAKONI LAKE/RESERVOIR	106	39	41	57	66	75
KAUFMAN	C	TRINITY INDIRECT REUSE	453	538	619	941	1,192	1,426
KAUFMAN COUNTY DEVELOPMENT DISTRICT 1	D	FORK LAKE/RESERVOIR	47	0	0	0	0	0

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
KAUFMAN COUNTY DEVELOPMENT DISTRICT 1	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	442	494	525	615	769	935
KAUFMAN COUNTY DEVELOPMENT DISTRICT 1	D	TAWAKONI LAKE/RESERVOIR	72	28	30	35	43	52
KAUFMAN COUNTY DEVELOPMENT DISTRICT 1	C	TRINITY INDIRECT REUSE	308	388	448	574	772	997
KAUFMAN COUNTY MUD 11	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	306	323	340	368	402	450
KAUFMAN COUNTY MUD 11	C	TRINITY INDIRECT REUSE	213	252	291	342	404	479
KEMP	C	TRWD LAKE/RESERVOIR SYSTEM	112	112	112	112	112	112
MABANK	C	TRWD LAKE/RESERVOIR SYSTEM	771	768	761	771	774	774
MACBEE SUD	D	TAWAKONI LAKE/RESERVOIR	2	12	15	17	18	20
MARKOUT WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	208	232	245	288	359	436
MARKOUT WSC	C	TRINITY INDIRECT REUSE	146	182	210	268	361	466
MESQUITE	D	FORK LAKE/RESERVOIR	1	0	0	0	0	0
MESQUITE	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	10	11	11	13	14	15
MESQUITE	D	TAWAKONI LAKE/RESERVOIR	2	1	1	1	1	1
MESQUITE	C	TRINITY INDIRECT REUSE	7	9	10	11	14	17
NORTH KAUFMAN WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	97	108	116	136	170	207
NORTH KAUFMAN WSC	C	TRINITY INDIRECT REUSE	67	85	99	128	172	222
POETRY WSC	D	FORK LAKE/RESERVOIR	3	0	0	0	0	0
POETRY WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	25	27	28	33	39	48
POETRY WSC	D	TAWAKONI LAKE/RESERVOIR	4	2	2	2	2	3
POETRY WSC	C	TRINITY INDIRECT REUSE	18	21	24	30	40	51
ROSE HILL SUD	D	FORK LAKE/RESERVOIR	24	0	0	0	0	0
ROSE HILL SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	224	234	241	271	323	455
ROSE HILL SUD	D	TAWAKONI LAKE/RESERVOIR	36	13	14	15	18	25
ROSE HILL SUD	C	TRINITY INDIRECT REUSE	156	184	207	253	324	487
SEAGOVILLE	D	FORK LAKE/RESERVOIR	0	1	1	1	1	1
SEAGOVILLE	C	RAY HUBBARD LAKE/RESERVOIR	0	0	0	0	0	1
SEAGOVILLE	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	1	1	1	1	1	1
SEAGOVILLE	D	TAWAKONI LAKE/RESERVOIR	1	1	1	1	0	0
SEAGOVILLE	C	TRINITY INDIRECT REUSE	0	0	0	1	1	1
TALTY SUD	D	FORK LAKE/RESERVOIR	97	0	0	0	0	0
TALTY SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	916	922	931	1,163	1,456	1,846
TALTY SUD	D	TAWAKONI LAKE/RESERVOIR	149	52	52	65	81	103
TALTY SUD	C	TRINITY INDIRECT REUSE	637	724	796	1,084	1,463	1,967
TERRELL	D	FORK LAKE/RESERVOIR	208	0	0	0	0	0
TERRELL	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	1,964	2,404	1,694	1,331	453	0
TERRELL	D	TAWAKONI LAKE/RESERVOIR	319	181	204	196	188	182
TERRELL	C	TRINITY INDIRECT REUSE	1,365	2,513	3,099	3,243	3,372	2,926
WEST CEDAR CREEK MUD	C	TRWD LAKE/RESERVOIR SYSTEM	276	306	323	339	361	377
COUNTY-OTHER	D	FORK LAKE/RESERVOIR	9	0	0	0	0	0
COUNTY-OTHER	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	72	117	111	101	374	786
COUNTY-OTHER	D	TAWAKONI LAKE/RESERVOIR	11	7	7	5	22	45
COUNTY-OTHER	C	TRINITY INDIRECT REUSE	52	91	97	94	376	841
COUNTY-OTHER	C	TRWD LAKE/RESERVOIR SYSTEM	11	12	12	12	12	12
MANUFACTURING	D	FORK LAKE/RESERVOIR	51	0	0	0	0	0
MANUFACTURING	C	NACATOCH AQUIFER | KAUFMAN COUNTY	98	98	98	98	98	98

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
MANUFACTURING	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	481	497	437	390	350	322
MANUFACTURING	D	TAWAKONI LAKE/RESERVOIR	78	28	25	22	20	18
MANUFACTURING	C	TRINITY INDIRECT REUSE	335	389	373	363	352	344
MINING	C	LOCAL SURFACE WATER SUPPLY	82	82	82	82	82	82
MINING	C	NACATOCH AQUIFER | KAUFMAN COUNTY	560	560	560	560	560	560
STEAM ELECTRIC POWER	C	DIRECT REUSE	8,672	8,672	8,672	8,672	8,672	8,672
STEAM ELECTRIC POWER	D	FORK LAKE/RESERVOIR	60	0	0	0	0	0
STEAM ELECTRIC POWER	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	571	501	442	394	354	326
STEAM ELECTRIC POWER	D	TAWAKONI LAKE/RESERVOIR	93	28	25	22	20	18
STEAM ELECTRIC POWER	C	TRINITY INDIRECT REUSE	397	394	378	367	356	346
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	1,572	1,572	1,572	1,572	1,572	1,572
LIVESTOCK	C	NACATOCH AQUIFER | KAUFMAN COUNTY	97	97	97	97	97	97
IRRIGATION	C	DIRECT REUSE	536	631	735	756	756	756
IRRIGATION	C	NACATOCH AQUIFER | KAUFMAN COUNTY	89	89	89	89	89	89
IRRIGATION	C	RAY HUBBARD LAKE/RESERVOIR	27	25	23	21	20	19
IRRIGATION	C	TRINITY RUN-OF-RIVER	63	63	63	63	63	63
IRRIGATION	C	TRWD LAKE/RESERVOIR SYSTEM	125	125	120	108	100	93
		TRINITY BASIN TOTAL	**32,361**	**33,480**	**34,602**	**37,231**	**42,551**	**47,531**
		KAUFMAN COUNTY TOTAL	**32,705**	**33,907**	**35,056**	**37,735**	**43,186**	**48,349**
B AND B WSC	C	NAVARRO MILLS LAKE/RESERVOIR	202	202	212	222	243	262
B AND B WSC	C	RICHLAND CHAMBERS LAKE/RESERVOIR NON-SYSTEM PORTION	40	40	43	45	49	53
BLOOMING GROVE	C	NAVARRO MILLS LAKE/RESERVOIR	136	146	156	155	152	145
BLOOMING GROVE	C	RICHLAND CHAMBERS LAKE/RESERVOIR NON-SYSTEM PORTION	27	29	31	31	31	29
BRANDON IRENE WSC	G	BRAZOS RIVER AUTHORITY AQUILLA LAKE/RESERVOIR SYSTEM	22	25	26	27	28	27
BRANDON IRENE WSC	G	TRINITY AQUIFER | HILL COUNTY	22	23	24	25	26	27
CHATFIELD WSC	C	NAVARRO MILLS LAKE/RESERVOIR	357	387	419	414	405	382
CHATFIELD WSC	C	RICHLAND CHAMBERS LAKE/RESERVOIR NON-SYSTEM PORTION	71	78	84	83	81	76
CORBET WSC	C	NAVARRO MILLS LAKE/RESERVOIR	208	220	233	231	227	216
CORBET WSC	C	RICHLAND CHAMBERS LAKE/RESERVOIR NON-SYSTEM PORTION	42	44	47	46	45	43
CORSICANA	C	NAVARRO MILLS LAKE/RESERVOIR	5,087	5,486	5,918	5,898	5,813	5,531
CORSICANA	C	RICHLAND CHAMBERS LAKE/RESERVOIR NON-SYSTEM PORTION	1,017	1,096	1,183	1,178	1,160	1,104
DAWSON	C	NAVARRO MILLS LAKE/RESERVOIR	124	126	129	121	113	102
DAWSON	C	RICHLAND CHAMBERS LAKE/RESERVOIR NON-SYSTEM PORTION	25	25	26	24	23	21
KERENS	C	NAVARRO MILLS LAKE/RESERVOIR	180	189	201	200	197	187
KERENS	C	RICHLAND CHAMBERS LAKE/RESERVOIR NON-SYSTEM PORTION	36	38	40	40	40	38
M E N WSC	C	NAVARRO MILLS LAKE/RESERVOIR	406	436	470	467	461	438
M E N WSC	C	RICHLAND CHAMBERS LAKE/RESERVOIR NON-SYSTEM PORTION	81	87	94	94	92	88
NAVARRO MILLS WSC	C	NAVARRO MILLS LAKE/RESERVOIR	277	293	313	310	304	290
NAVARRO MILLS WSC	C	RICHLAND CHAMBERS LAKE/RESERVOIR NON-SYSTEM PORTION	56	59	63	62	61	58
NAVARRO MILLS WSC	C	WOODBINE AQUIFER | NAVARRO COUNTY	20	20	20	20	20	20
PLEASANT GROVE WSC	C	CARRIZO-WILCOX AQUIFER | FREESTONE COUNTY	31	32	30	31	31	31

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
POST OAK SUD	C	NAVARRO MILLS LAKE/RESERVOIR	43	44	45	45	44	44
POST OAK SUD	C	RICHLAND CHAMBERS LAKE/RESERVOIR NON-SYSTEM PORTION	9	9	9	9	9	9
RICE WATER SUPPLY AND SEWER SERVICE	C	BARDWELL LAKE/RESERVOIR	19	17	15	10	6	3
RICE WATER SUPPLY AND SEWER SERVICE	C	NAVARRO MILLS LAKE/RESERVOIR	349	420	505	545	592	616
RICE WATER SUPPLY AND SEWER SERVICE	C	RICHLAND CHAMBERS LAKE/RESERVOIR NON-SYSTEM PORTION	70	84	101	109	118	123
RICE WATER SUPPLY AND SEWER SERVICE	C	TRWD LAKE/RESERVOIR SYSTEM	0	2	5	5	3	2
SOUTH ELLIS COUNTY WSC	C	TRINITY AQUIFER | ELLIS COUNTY	15	18	22	21	21	21
COUNTY-OTHER	C	NAVARRO MILLS LAKE/RESERVOIR	185	300	336	407	458	802
COUNTY-OTHER	C	OTHER AQUIFER | NAVARRO COUNTY	200	200	200	200	200	200
COUNTY-OTHER	C	RICHLAND CHAMBERS LAKE/RESERVOIR NON-SYSTEM PORTION	37	60	67	81	92	160
COUNTY-OTHER	C	TRWD LAKE/RESERVOIR SYSTEM	39	64	68	81	95	175
MANUFACTURING	C	NAVARRO MILLS LAKE/RESERVOIR	741	881	881	804	725	632
MANUFACTURING	C	RICHLAND CHAMBERS LAKE/RESERVOIR NON-SYSTEM PORTION	148	176	176	161	145	126
MANUFACTURING	C	TRWD LAKE/RESERVOIR SYSTEM	5	5	4	4	4	3
MINING	C	CARRIZO-WILCOX AQUIFER | NAVARRO COUNTY	6	6	6	6	6	6
MINING	C	NACATOCH AQUIFER | NAVARRO COUNTY	970	970	970	970	970	970
LIVESTOCK	C	CARRIZO-WILCOX AQUIFER | NAVARRO COUNTY	9	9	9	9	9	9
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	1,603	1,603	1,603	1,603	1,603	1,603
LIVESTOCK	C	NACATOCH AQUIFER | NAVARRO COUNTY	10	10	10	10	10	10
LIVESTOCK	C	OTHER AQUIFER | NAVARRO COUNTY	69	69	69	69	69	69
IRRIGATION	C	TRINITY RUN-OF-RIVER	226	226	226	226	226	226
		TRINITY BASIN TOTAL	**13,220**	**14,254**	**15,089**	**15,099**	**15,007**	**14,977**
		NAVARRO COUNTY TOTAL	**13,220**	**14,254**	**15,089**	**15,099**	**15,007**	**14,977**
HORSESHOE BEND WATER SYSTEM	C	TRINITY AQUIFER | PARKER COUNTY	453	453	453	453	453	453
MINERAL WELLS	G	PALO PINTO LAKE/RESERVOIR	93	81	70	61	52	44
NORTH RURAL WSC	G	PALO PINTO LAKE/RESERVOIR	104	104	104	104	104	103
PARKER COUNTY SUD	G	BRAZOS RIVER AUTHORITY MAIN STEM LAKE/RESERVOIR SYSTEM	389	389	389	389	389	389
PARKER COUNTY SUD	G	PALO PINTO LAKE/RESERVOIR	292	292	292	292	292	292
PARKER COUNTY SUD	C	TRINITY AQUIFER | PARKER COUNTY	36	36	36	36	36	36
SANTO SUD	G	PALO PINTO LAKE/RESERVOIR	15	14	14	13	14	14
WEATHERFORD	C	TRINITY INDIRECT REUSE	125	126	126	126	126	126
WEATHERFORD	C	TRWD LAKE/RESERVOIR SYSTEM	42	64	54	161	175	179
WEATHERFORD	C	WEATHERFORD LAKE/RESERVOIR	129	127	124	122	119	117
COUNTY-OTHER	C	CROSS TIMBERS AQUIFER | PARKER COUNTY	29	29	29	29	29	29
COUNTY-OTHER	G	PALO PINTO LAKE/RESERVOIR	387	387	387	387	387	387
COUNTY-OTHER	C	TRINITY AQUIFER | PARKER COUNTY	3,273	3,273	3,273	3,273	3,273	3,273
MINING	G	BRAZOS RIVER AUTHORITY MAIN STEM LAKE/RESERVOIR SYSTEM	27	22	16	11	6	0
MINING	C	LOCAL SURFACE WATER SUPPLY	13	13	13	13	13	13
MINING	C	TRINITY AQUIFER | PARKER COUNTY	1,706	1,706	1,706	1,705	1,706	1,706
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	1,115	1,115	1,115	1,115	1,115	1,115
LIVESTOCK	C	TRINITY AQUIFER | PARKER COUNTY	133	133	133	133	133	133

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
IRRIGATION	G	BRAZOS RIVER AUTHORITY MAIN STEM LAKE/RESERVOIR SYSTEM	382	382	382	382	382	382
IRRIGATION	C	BRAZOS RUN-OF-RIVER	89	89	89	89	89	89
IRRIGATION	C	DIRECT REUSE	108	123	140	152	166	182
IRRIGATION	C	TRINITY AQUIFER | PARKER COUNTY	141	141	141	141	141	141
IRRIGATION	C	TRINITY RUN-OF-RIVER	93	93	93	93	93	93
		BRAZOS BASIN TOTAL	**9,174**	**9,192**	**9,179**	**9,280**	**9,293**	**9,296**
ALEDO	C	TRINITY AQUIFER | PARKER COUNTY	207	207	207	207	207	207
ALEDO	C	TRWD LAKE/RESERVOIR SYSTEM	690	1,167	1,226	1,269	1,313	1,357
ANNETTA	C	TRINITY AQUIFER | PARKER COUNTY	787	787	787	787	787	787
AZLE	C	TRWD LAKE/RESERVOIR SYSTEM	324	323	308	297	311	324
FORT WORTH	C	TRINITY INDIRECT REUSE	5,507	7,218	6,942	7,318	7,478	7,349
FORT WORTH	C	TRWD LAKE/RESERVOIR SYSTEM	6,569	2,832	3,129	2,204	1,235	705
HUDSON OAKS	C	TRINITY AQUIFER | PARKER COUNTY	400	400	400	400	400	400
HUDSON OAKS	C	TRWD LAKE/RESERVOIR SYSTEM	650	983	971	541	348	305
RENO (Parker)	C	TRINITY AQUIFER | PARKER COUNTY	131	131	131	131	130	130
RENO (Parker)	C	TRWD LAKE/RESERVOIR SYSTEM	50	50	44	36	29	23
SPRINGTOWN	C	TRINITY AQUIFER | PARKER COUNTY	95	95	95	95	95	95
SPRINGTOWN	C	TRWD LAKE/RESERVOIR SYSTEM	340	340	340	340	340	340
WALNUT CREEK SUD	C	TRWD LAKE/RESERVOIR SYSTEM	1,331	1,503	1,389	1,605	1,919	2,024
WEATHERFORD	C	TRINITY INDIRECT REUSE	2,117	2,116	2,116	2,116	2,116	2,116
WEATHERFORD	C	TRWD LAKE/RESERVOIR SYSTEM	716	1,083	906	2,716	2,942	3,025
WEATHERFORD	C	WEATHERFORD LAKE/RESERVOIR	2,177	2,136	2,096	2,054	2,014	1,973
WILLOW PARK	C	TRINITY AQUIFER | PARKER COUNTY	690	690	690	690	690	690
COUNTY-OTHER	C	CROSS TIMBERS AQUIFER | PARKER COUNTY	21	21	21	21	21	21
COUNTY-OTHER	G	PALO PINTO LAKE/RESERVOIR	276	276	276	276	276	276
COUNTY-OTHER	C	TRINITY AQUIFER | PARKER COUNTY	2,334	2,334	2,334	2,334	2,334	2,334
MANUFACTURING	G	PALO PINTO LAKE/RESERVOIR	25	25	25	25	25	25
MANUFACTURING	C	TRINITY AQUIFER | PARKER COUNTY	87	87	87	87	87	87
MANUFACTURING	C	TRWD LAKE/RESERVOIR SYSTEM	33	35	32	22	16	13
MINING	G	BRAZOS RIVER AUTHORITY MAIN STEM LAKE/RESERVOIR SYSTEM	17	13	10	7	3	0
MINING	C	LOCAL SURFACE WATER SUPPLY	7	7	7	7	7	7
MINING	C	TRINITY AQUIFER | PARKER COUNTY	1,045	1,045	1,045	1,046	1,045	1,045
STEAM ELECTRIC POWER	C	WEATHERFORD LAKE/RESERVOIR	604	604	604	604	604	604
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	807	807	807	807	807	807
LIVESTOCK	C	TRINITY AQUIFER | PARKER COUNTY	96	96	96	96	96	96
IRRIGATION	G	BRAZOS RIVER AUTHORITY MAIN STEM LAKE/RESERVOIR SYSTEM	118	118	118	118	118	118
IRRIGATION	C	BRAZOS RUN-OF-RIVER	28	28	28	28	28	28
IRRIGATION	C	DIRECT REUSE	33	37	42	46	51	55
IRRIGATION	C	TRINITY AQUIFER | PARKER COUNTY	44	44	44	44	44	44
IRRIGATION	C	TRINITY RUN-OF-RIVER	29	29	29	29	29	29
		TRINITY BASIN TOTAL	**28,385**	**27,667**	**27,382**	**28,403**	**27,945**	**27,439**
		PARKER COUNTY TOTAL	**37,559**	**36,859**	**36,561**	**37,683**	**37,238**	**36,735**
B H P WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	12	12	13	14	17	21
B H P WSC	C	TRINITY INDIRECT REUSE	9	9	11	14	18	23
BEAR CREEK SUD	D	FORK LAKE/RESERVOIR	2	0	0	0	0	0

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
BEAR CREEK SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	21	22	27	31	56	108
BEAR CREEK SUD	D	TAWAKONI LAKE/RESERVOIR	3	1	2	2	3	6
BEAR CREEK SUD	C	TRINITY INDIRECT REUSE	15	17	23	28	56	115
BLACKLAND WSC	D	FORK LAKE/RESERVOIR	22	0	0	0	0	0
BLACKLAND WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	199	196	183	165	167	167
BLACKLAND WSC	D	TAWAKONI LAKE/RESERVOIR	32	11	11	9	10	9
BLACKLAND WSC	C	TRINITY INDIRECT REUSE	139	153	156	156	168	178
CASH SUD	D	FORK LAKE/RESERVOIR	54	251	262	264	263	244
CASH SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	15	14	12	14	8	0
CASH SUD	D	TAWAKONI LAKE/RESERVOIR	47	41	35	29	14	0
CASH SUD	C	TRINITY INDIRECT REUSE	19	20	19	24	14	0
FATE	D	FORK LAKE/RESERVOIR	82	0	0	0	0	0
FATE	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	770	871	1,031	1,211	1,323	1,351
FATE	D	TAWAKONI LAKE/RESERVOIR	125	49	58	68	74	75
FATE	C	TRINITY INDIRECT REUSE	536	683	881	1,128	1,331	1,440
NEVADA SUD	D	FORK LAKE/RESERVOIR	1	0	0	0	0	0
NEVADA SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	4	4	4	15	33	55
NEVADA SUD	D	TAWAKONI LAKE/RESERVOIR	0	0	0	1	2	3
NEVADA SUD	C	TRINITY INDIRECT REUSE	3	4	3	14	34	60
ROYSE CITY	D	FORK LAKE/RESERVOIR	57	0	0	0	0	0
ROYSE CITY	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	535	490	439	934	1,421	1,449
ROYSE CITY	D	TAWAKONI LAKE/RESERVOIR	86	28	25	53	80	81
ROYSE CITY	C	TRINITY INDIRECT REUSE	370	385	375	870	1,429	1,546
COUNTY-OTHER	D	FORK LAKE/RESERVOIR	8	0	0	0	0	0
COUNTY-OTHER	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	75	92	83	69	69	97
COUNTY-OTHER	D	TAWAKONI LAKE/RESERVOIR	12	5	5	4	4	5
COUNTY-OTHER	C	TRINITY INDIRECT REUSE	52	72	70	65	68	104
MANUFACTURING	D	FORK LAKE/RESERVOIR	2	0	0	0	0	0
MANUFACTURING	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	16	15	15	13	11	11
MANUFACTURING	D	TAWAKONI LAKE/RESERVOIR	2	1	1	1	1	1
MANUFACTURING	C	TRINITY INDIRECT REUSE	10	13	12	12	12	11
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	58	58	58	58	58	58
IRRIGATION	C	DIRECT REUSE	155	155	155	155	155	155
IRRIGATION	C	RAY HUBBARD LAKE/RESERVOIR	77	71	65	60	58	56
		SABINE BASIN TOTAL	**3,625**	**3,743**	**4,034**	**5,481**	**6,957**	**7,429**
BEAR CREEK SUD	D	FORK LAKE/RESERVOIR	2	0	0	0	0	0
BEAR CREEK SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	19	21	24	28	51	99
BEAR CREEK SUD	D	TAWAKONI LAKE/RESERVOIR	3	1	1	2	3	5
BEAR CREEK SUD	C	TRINITY INDIRECT REUSE	13	16	21	26	52	105
BLACKLAND WSC	D	FORK LAKE/RESERVOIR	25	0	0	0	0	0
BLACKLAND WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	236	230	215	196	199	196
BLACKLAND WSC	D	TAWAKONI LAKE/RESERVOIR	38	13	12	11	11	11
BLACKLAND WSC	C	TRINITY INDIRECT REUSE	164	181	183	182	200	209
DALLAS	D	FORK LAKE/RESERVOIR	2	2	3	4	5	6
DALLAS	C	RAY HUBBARD LAKE/RESERVOIR	2	2	3	3	3	4
DALLAS	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	4	5	5	6	6	6
DALLAS	D	TAWAKONI LAKE/RESERVOIR	7	8	9	10	11	12

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
DALLAS	C	TRINITY INDIRECT REUSE	1	2	2	3	5	6
EAST FORK SUD	D	FORK LAKE/RESERVOIR	8	0	0	0	0	0
EAST FORK SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	77	91	104	114	127	141
EAST FORK SUD	D	TAWAKONI LAKE/RESERVOIR	12	5	6	6	7	8
EAST FORK SUD	C	TRINITY INDIRECT REUSE	54	71	89	106	128	150
FATE	D	FORK LAKE/RESERVOIR	70	0	0	0	0	0
FATE	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	664	751	888	1,044	1,141	1,165
FATE	D	TAWAKONI LAKE/RESERVOIR	108	43	50	59	64	65
FATE	C	TRINITY INDIRECT REUSE	462	590	758	974	1,148	1,243
FORNEY LAKE WSC	D	FORK LAKE/RESERVOIR	7	0	0	0	0	0
FORNEY LAKE WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	63	68	74	78	84	91
FORNEY LAKE WSC	D	TAWAKONI LAKE/RESERVOIR	10	4	4	4	5	5
FORNEY LAKE WSC	C	TRINITY INDIRECT REUSE	44	54	63	73	84	96
GARLAND	D	FORK LAKE/RESERVOIR	0	0	0	0	0	0
GARLAND	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	0	0	0	0	0	0
GARLAND	D	TAWAKONI LAKE/RESERVOIR	0	0	0	0	0	0
GARLAND	C	TRINITY INDIRECT REUSE	0	0	0	0	0	0
HEATH	D	FORK LAKE/RESERVOIR	212	0	0	0	0	0
HEATH	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	2,010	2,489	2,756	2,486	2,336	2,243
HEATH	D	TAWAKONI LAKE/RESERVOIR	326	141	155	140	131	125
HEATH	C	TRINITY INDIRECT REUSE	1,396	1,952	2,354	2,316	2,349	2,390
HIGH POINT WSC	D	FORK LAKE/RESERVOIR	2	0	0	0	0	0
HIGH POINT WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	26	28	28	30	42	50
HIGH POINT WSC	D	TAWAKONI LAKE/RESERVOIR	4	2	2	2	2	2
HIGH POINT WSC	C	TRINITY INDIRECT REUSE	18	22	24	30	40	54
MOUNT ZION WSC	D	FORK LAKE/RESERVOIR	27	0	0	0	0	0
MOUNT ZION WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	256	275	291	311	335	360
MOUNT ZION WSC	D	TAWAKONI LAKE/RESERVOIR	41	16	16	17	19	20
MOUNT ZION WSC	C	TRINITY INDIRECT REUSE	177	216	250	290	337	384
R C H WSC	D	FORK LAKE/RESERVOIR	48	0	0	0	0	0
R C H WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	459	552	564	610	709	794
R C H WSC	D	TAWAKONI LAKE/RESERVOIR	74	31	32	34	40	44
R C H WSC	C	TRINITY INDIRECT REUSE	318	433	482	568	714	848
ROCKWALL	D	FORK LAKE/RESERVOIR	533	0	0	0	0	0
ROCKWALL	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	5,042	6,388	8,171	7,571	7,332	7,211
ROCKWALL	D	TAWAKONI LAKE/RESERVOIR	818	361	460	425	410	402
ROCKWALL	C	TRINITY INDIRECT REUSE	3,505	5,014	6,982	7,053	7,372	7,689
ROWLETT	D	FORK LAKE/RESERVOIR	63	0	0	0	0	0
ROWLETT	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	595	511	444	393	359	333
ROWLETT	D	TAWAKONI LAKE/RESERVOIR	97	29	25	22	20	19
ROWLETT	C	TRINITY INDIRECT REUSE	413	401	380	366	361	355
WYLIE	D	FORK LAKE/RESERVOIR	28	0	0	0	0	0
WYLIE	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	265	236	212	193	180	175
WYLIE	D	TAWAKONI LAKE/RESERVOIR	43	13	12	11	10	10
WYLIE	C	TRINITY INDIRECT REUSE	184	185	181	179	181	186
COUNTY-OTHER	D	FORK LAKE/RESERVOIR	14	0	0	0	0	0
COUNTY-OTHER	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	130	160	143	118	118	169

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
COUNTY-OTHER	D	TAWAKONI LAKE/RESERVOIR	21	9	8	7	6	10
COUNTY-OTHER	C	TRINITY INDIRECT REUSE	89	125	123	110	120	180
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	59	59	59	59	59	59
IRRIGATION	C	DIRECT REUSE	517	517	517	517	517	517
IRRIGATION	C	RAY HUBBARD LAKE/RESERVOIR	257	238	217	202	193	185
		TRINITY BASIN TOTAL	**20,162**	**22,561**	**27,402**	**26,989**	**27,626**	**28,437**
		ROCKWALL COUNTY TOTAL	**23,787**	**26,304**	**31,436**	**32,470**	**34,583**	**35,866**
ARLINGTON	C	TRWD LAKE/RESERVOIR SYSTEM	66,810	68,113	65,565	59,819	55,457	51,128
AZLE	C	TRWD LAKE/RESERVOIR SYSTEM	1,298	1,294	1,232	1,190	1,243	1,298
BEDFORD	C	TRINITY AQUIFER | TARRANT COUNTY	445	445	445	445	445	445
BEDFORD	C	TRWD LAKE/RESERVOIR SYSTEM	8,757	9,234	9,326	8,910	8,263	7,618
BENBROOK WATER AUTHORITY	C	TRINITY AQUIFER | TARRANT COUNTY	199	199	199	199	199	199
BENBROOK WATER AUTHORITY	C	TRWD LAKE/RESERVOIR SYSTEM	3,385	3,385	3,385	3,385	3,385	3,385
BETHESDA WSC	G	TRINITY AQUIFER | JOHNSON COUNTY	214	210	207	202	198	193
BETHESDA WSC	C	TRWD LAKE/RESERVOIR SYSTEM	1,365	1,464	1,521	1,532	1,564	1,570
BURLESON	C	TRWD LAKE/RESERVOIR SYSTEM	1,275	1,299	1,276	1,593	1,773	1,826
COLLEYVILLE	C	TRWD LAKE/RESERVOIR SYSTEM	9,211	9,693	9,869	9,182	8,523	7,859
COMMUNITY WSC	C	TRWD LAKE/RESERVOIR SYSTEM	338	360	367	361	364	362
CROWLEY	C	TRINITY AQUIFER | TARRANT COUNTY	169	169	169	169	169	169
CROWLEY	C	TRWD LAKE/RESERVOIR SYSTEM	1,676	1,673	1,672	1,672	1,672	1,671
DALWORTHINGTON GARDENS	C	TRWD LAKE/RESERVOIR SYSTEM	908	918	889	813	771	723
EDGECLIFF	C	TRWD LAKE/RESERVOIR SYSTEM	503	490	460	408	378	349
EULESS	C	DIRECT REUSE	368	368	368	368	368	368
EULESS	C	TRINITY AQUIFER | TARRANT COUNTY	2,106	2,106	2,106	2,106	2,106	2,106
EULESS	C	TRWD LAKE/RESERVOIR SYSTEM	6,588	6,328	5,892	5,637	5,221	4,813
EVERMAN	C	TRINITY AQUIFER | TARRANT COUNTY	529	529	529	529	529	529
FLOWER MOUND	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	8	7	5	4	4	2
FLOWER MOUND	D	FORK LAKE/RESERVOIR	2	3	2	2	2	2
FLOWER MOUND	C	RAY HUBBARD LAKE/RESERVOIR	2	2	2	2	1	1
FLOWER MOUND	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	32	29	26	22	19	16
FLOWER MOUND	D	TAWAKONI LAKE/RESERVOIR	8	7	6	5	5	4
FLOWER MOUND	C	TRINITY INDIRECT REUSE	7	4	4	4	4	3
FOREST HILL	C	TRWD LAKE/RESERVOIR SYSTEM	1,359	1,377	1,383	1,464	1,657	1,805
FORT WORTH	C	TRINITY INDIRECT REUSE	73,830	75,303	78,765	80,465	82,464	81,307
FORT WORTH	C	TRWD LAKE/RESERVOIR SYSTEM	88,062	29,539	35,500	24,238	13,620	7,803
GRAND PRAIRIE	D	FORK LAKE/RESERVOIR	964	856	847	836	841	806
GRAND PRAIRIE	C	RAY HUBBARD LAKE/RESERVOIR	861	695	630	572	530	500
GRAND PRAIRIE	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	2,000	1,478	1,283	1,117	979	867
GRAND PRAIRIE	D	TAWAKONI LAKE/RESERVOIR	2,960	2,340	2,073	1,842	1,675	1,606
GRAND PRAIRIE	C	TRINITY AQUIFER | DALLAS COUNTY	72	0	0	0	0	0
GRAND PRAIRIE	C	TRINITY INDIRECT REUSE	638	576	594	647	766	840
GRAND PRAIRIE	C	TRWD LAKE/RESERVOIR SYSTEM	475	801	664	589	544	498
GRAPEVINE	C	GRAPEVINE LAKE/RESERVOIR NON-SYSTEM PORTION	1,919	1,886	1,852	1,818	1,784	1,750
GRAPEVINE	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	2,675	2,537	2,191	2,018	1,948	1,902
GRAPEVINE	C	TRINITY INDIRECT REUSE	2,174	2,538	2,577	2,562	2,559	2,558

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
GRAPEVINE	C	TRWD LAKE/RESERVOIR SYSTEM	10,650	9,684	9,005	8,531	8,351	8,315
HALTOM CITY	C	TRWD LAKE/RESERVOIR SYSTEM	5,238	5,179	5,033	4,842	4,834	4,856
HASLET	C	TRINITY AQUIFER | TARRANT COUNTY	63	63	63	63	63	63
HASLET	C	TRWD LAKE/RESERVOIR SYSTEM	507	1,667	2,344	3,777	3,506	3,233
HURST	C	TRINITY AQUIFER | TARRANT COUNTY	378	378	378	378	378	378
HURST	C	TRWD LAKE/RESERVOIR SYSTEM	6,318	6,309	5,908	5,254	4,871	4,490
JOHNSON COUNTY SUD	G	BRAZOS RIVER AUTHORITY MAIN STEM LAKE/RESERVOIR SYSTEM	196	187	176	164	151	136
JOHNSON COUNTY SUD	G	TRINITY AQUIFER | JOHNSON COUNTY	79	80	79	79	79	79
JOHNSON COUNTY SUD	C	TRWD LAKE/RESERVOIR SYSTEM	230	304	321	275	247	224
KELLER	C	TRWD LAKE/RESERVOIR SYSTEM	11,766	11,047	10,241	9,691	9,492	9,462
KENNEDALE	C	TRINITY AQUIFER | TARRANT COUNTY	814	811	811	811	811	811
KENNEDALE	C	TRWD LAKE/RESERVOIR SYSTEM	606	505	727	897	1,047	1,118
LAKE WORTH	C	TRINITY AQUIFER | TARRANT COUNTY	169	169	169	169	169	169
LAKE WORTH	C	TRWD LAKE/RESERVOIR SYSTEM	961	1,072	1,134	1,196	1,326	1,710
LAKESIDE	C	TRINITY AQUIFER | TARRANT COUNTY	291	291	291	291	291	291
MANSFIELD	C	TRWD LAKE/RESERVOIR SYSTEM	17,980	16,602	16,993	17,988	18,538	18,978
NORTH RICHLAND HILLS	C	TRWD LAKE/RESERVOIR SYSTEM	12,699	12,859	12,060	10,972	10,378	9,679
PANTEGO	C	TRINITY AQUIFER | TARRANT COUNTY	732	732	732	732	732	732
PELICAN BAY	C	TRINITY AQUIFER | TARRANT COUNTY	117	117	117	117	117	117
RENO (Parker)	C	TRINITY AQUIFER | PARKER COUNTY	1	1	1	1	2	2
RENO (Parker)	C	TRWD LAKE/RESERVOIR SYSTEM	0	0	0	0	0	0
RICHLAND HILLS	C	TRINITY AQUIFER | TARRANT COUNTY	242	242	242	242	242	242
RICHLAND HILLS	C	TRWD LAKE/RESERVOIR SYSTEM	906	943	943	972	1,017	1,076
RIVER OAKS	C	TRWD LAKE/RESERVOIR SYSTEM	856	823	761	673	622	574
SAGINAW	C	TRWD LAKE/RESERVOIR SYSTEM	3,169	3,528	3,735	3,522	3,266	3,010
SANSOM PARK	C	TRINITY AQUIFER | TARRANT COUNTY	578	578	578	578	578	578
SANSOM PARK	C	TRWD LAKE/RESERVOIR SYSTEM	0	0	12	34	56	77
SOUTHLAKE	C	TRWD LAKE/RESERVOIR SYSTEM	11,036	12,275	13,651	14,018	14,638	14,991
WATAUGA	C	TRWD LAKE/RESERVOIR SYSTEM	2,844	2,740	2,540	2,248	2,081	1,919
WESTLAKE	C	TRWD LAKE/RESERVOIR SYSTEM	1,752	4,845	6,796	6,855	6,750	6,515
WESTOVER HILLS	C	TRWD LAKE/RESERVOIR SYSTEM	929	949	927	853	811	762
WESTWORTH VILLAGE	C	TRWD LAKE/RESERVOIR SYSTEM	401	423	428	410	405	397
WHITE SETTLEMENT	C	TRINITY AQUIFER | TARRANT COUNTY	610	610	610	610	610	610
WHITE SETTLEMENT	C	TRWD LAKE/RESERVOIR SYSTEM	1,471	1,497	1,470	1,604	2,019	2,352
COUNTY-OTHER	C	DIRECT REUSE	33	33	100	100	100	100
COUNTY-OTHER	D	FORK LAKE/RESERVOIR	167	171	169	168	169	162
COUNTY-OTHER	C	RAY HUBBARD LAKE/RESERVOIR	149	139	126	115	107	101
COUNTY-OTHER	C	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	347	297	255	225	197	175
COUNTY-OTHER	D	TAWAKONI LAKE/RESERVOIR	512	468	414	370	337	323
COUNTY-OTHER	C	TRINITY AQUIFER | TARRANT COUNTY	600	600	600	600	600	600
COUNTY-OTHER	C	TRINITY INDIRECT REUSE	110	115	119	130	154	169
COUNTY-OTHER	C	TRWD LAKE/RESERVOIR SYSTEM	5,245	4,806	4,078	6,733	8,579	11,278
MANUFACTURING	C	TRINITY AQUIFER | TARRANT COUNTY	280	283	283	283	283	283
MANUFACTURING	C	TRWD LAKE/RESERVOIR SYSTEM	11,889	12,892	12,311	11,076	10,284	9,479
MINING	C	DIRECT REUSE	857	914	780	780	780	780
MINING	C	LOCAL SURFACE WATER SUPPLY	342	342	342	342	342	342

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
MINING	C	TRINITY AQUIFER | TARRANT COUNTY	5,768	5,768	5,768	5,768	5,768	5,768
MINING	C	TRWD LAKE/RESERVOIR SYSTEM	4,568	2,025	100	90	84	77
STEAM ELECTRIC POWER	C	TRINITY RUN-OF-RIVER	959	959	959	959	959	959
STEAM ELECTRIC POWER	C	TRWD LAKE/RESERVOIR SYSTEM	198	2,461	1,559	1,403	1,303	1,203
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	442	442	442	442	442	442
LIVESTOCK	C	TRINITY AQUIFER | TARRANT COUNTY	110	110	110	110	110	110
IRRIGATION	C	DIRECT REUSE	2,478	2,478	2,478	2,478	2,478	2,478
IRRIGATION	C	TRINITY AQUIFER | TARRANT COUNTY	752	752	752	752	752	752
IRRIGATION	C	TRINITY INDIRECT REUSE	1,121	1,121	1,121	1,121	1,121	1,121
IRRIGATION	C	TRINITY RUN-OF-RIVER	549	549	549	549	549	549
IRRIGATION	C	TRWD LAKE/RESERVOIR SYSTEM	1,581	1,581	1,513	1,363	1,266	1,166
IRRIGATION	C	WOODBINE AQUIFER | TARRANT COUNTY	632	632	632	632	632	632
		TRINITY BASIN TOTAL	**418,470**	**365,703**	**368,717**	**352,163**	**337,904**	**325,876**
		TARRANT COUNTY TOTAL	**418,470**	**365,703**	**368,717**	**352,163**	**337,904**	**325,876**
ALVORD	C	TRINITY AQUIFER | WISE COUNTY	228	228	228	228	228	228
BOLIVAR WSC	C	TRINITY AQUIFER | COOKE COUNTY	15	14	14	13	12	12
BOLIVAR WSC	C	TRINITY AQUIFER | DENTON COUNTY	70	68	64	62	59	56
BOLIVAR WSC	C	TRINITY AQUIFER | WISE COUNTY	8	8	8	7	7	7
BOYD	C	TRINITY AQUIFER | WISE COUNTY	153	153	153	153	153	153
BOYD	C	TRWD LAKE/RESERVOIR SYSTEM	64	75	143	170	227	205
BRIDGEPORT	C	TRWD LAKE/RESERVOIR SYSTEM	1,273	1,386	1,418	1,581	1,704	1,704
CHICO	C	TRINITY AQUIFER | WISE COUNTY	194	194	194	194	194	194
CHICO	C	TRWD LAKE/RESERVOIR SYSTEM	84	87	86	111	111	111
DECATUR	C	TRWD LAKE/RESERVOIR SYSTEM	1,805	1,800	1,802	1,807	1,810	1,813
FORT WORTH	C	TRINITY INDIRECT REUSE	1,059	1,263	1,386	1,673	1,951	2,126
FORT WORTH	C	TRWD LAKE/RESERVOIR SYSTEM	1,263	496	625	504	322	204
NEWARK	C	TRINITY AQUIFER | WISE COUNTY	125	125	125	125	125	125
RHOME	C	TRINITY AQUIFER | WISE COUNTY	169	169	169	169	169	169
RHOME	C	TRWD LAKE/RESERVOIR SYSTEM	228	380	477	689	781	825
RUNAWAY BAY	C	TRWD LAKE/RESERVOIR SYSTEM	519	504	498	517	525	544
WALNUT CREEK SUD	C	TRWD LAKE/RESERVOIR SYSTEM	265	340	373	369	440	458
WEST WISE SUD	C	TRWD LAKE/RESERVOIR SYSTEM	478	455	431	417	400	378
COUNTY-OTHER	C	TRINITY AQUIFER | WISE COUNTY	2,584	2,584	2,584	2,584	2,584	2,584
COUNTY-OTHER	C	TRWD LAKE/RESERVOIR SYSTEM	1,459	1,486	1,313	1,275	1,214	2,694
MANUFACTURING	C	TRINITY AQUIFER | WISE COUNTY	250	250	250	250	250	250
MANUFACTURING	C	TRWD LAKE/RESERVOIR SYSTEM	45	50	48	43	40	37
MINING	C	DIRECT REUSE	6,261	6,261	6,261	6,261	6,076	6,076
MINING	C	TRINITY AQUIFER | WISE COUNTY	2,155	2,155	2,155	2,155	2,155	2,155
MINING	C	TRINITY RUN-OF-RIVER	133	133	133	133	133	133
MINING	C	TRWD LAKE/RESERVOIR SYSTEM	1,771	2,364	2,691	2,694	2,688	2,732
STEAM ELECTRIC POWER	C	TRWD LAKE/RESERVOIR SYSTEM	2,894	2,894	2,769	2,493	2,316	2,135
LIVESTOCK	C	LOCAL SURFACE WATER SUPPLY	1,117	1,117	1,117	1,117	1,117	1,117
LIVESTOCK	C	TRINITY AQUIFER | WISE COUNTY	458	458	458	458	458	458
IRRIGATION	C	TRINITY AQUIFER | WISE COUNTY	680	680	680	680	680	680
IRRIGATION	C	TRINITY RUN-OF-RIVER	139	139	139	139	139	139
IRRIGATION	C	TRWD LAKE/RESERVOIR SYSTEM	124	124	124	124	124	124
		TRINITY BASIN TOTAL	**28,070**	**28,440**	**28,916**	**29,195**	**29,192**	**30,626**

Region C Water User Group (WUG) Existing Water Supply

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
WISE COUNTY TOTAL			28,070	28,440	28,916	29,195	29,192	30,626
REGION C TOTAL EXISTING WATER SUPPLY			1,689,765	1,611,973	1,628,666	1,633,515	1,642,677	1,639,955

TWDB DB22 Report #6 – WUG Identified Water Needs/Surpluses

Region C Water User Group (WUG) Needs/Surplus*

	(NEEDS)/SURPLUS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
COLLIN COUNTY - SABINE BASIN						
B H P WSC	(6)	(12)	(19)	(22)	(25)	(28)
CADDO BASIN SUD	7	(31)	(60)	(97)	(147)	(202)
FARMERSVILLE	0	(1)	(2)	(3)	(5)	(9)
JOSEPHINE	0	(85)	(167)	(265)	(318)	(350)
NEVADA SUD	(1)	(17)	(27)	(109)	(298)	(588)
ROYSE CITY	0	(212)	(528)	(1,007)	(1,549)	(2,240)
COUNTY-OTHER	0	0	0	0	(1)	(1)
LIVESTOCK	9	9	9	9	9	9
IRRIGATION	68	62	56	51	49	47
COLLIN COUNTY - TRINITY BASIN						
ALLEN	(8)	(4,151)	(5,882)	(7,280)	(8,546)	(9,551)
ANNA	(6)	(1,172)	(3,556)	(5,466)	(7,947)	(11,186)
BEAR CREEK SUD	1	(167)	(331)	(562)	(817)	(1,130)
BLUE RIDGE	(306)	(580)	(6,296)	(14,628)	(20,918)	(29,035)
CADDO BASIN SUD	0	(21)	(41)	(67)	(99)	(134)
CARROLLTON	1	(1)	2	1	0	1
CELINA	(395)	(6,739)	(12,582)	(18,706)	(24,339)	(30,020)
COPEVILLE SUD	0	(68)	(116)	(193)	(392)	(737)
CULLEOKA WSC	0	(105)	(223)	(330)	(431)	(597)
DALLAS	(587)	(1,732)	(2,991)	(3,857)	(4,356)	(4,757)
DESERT WSC	42	38	36	27	2	(34)
EAST FORK SUD	0	(248)	(391)	(476)	(571)	(650)
FAIRVIEW	(2)	(909)	(1,697)	(2,156)	(2,520)	(2,770)
FARMERSVILLE	0	(440)	(1,397)	(2,605)	(4,277)	(6,796)
FRISCO	(119)	(5,021)	(8,267)	(14,621)	(19,805)	(23,252)
FROGNOT WSC	195	173	134	77	37	0
GARLAND	0	(10)	(18)	(28)	(40)	(52)
HICKORY CREEK SUD	(4)	(9)	(14)	(22)	(34)	(52)
LUCAS	(1)	(460)	(850)	(1,203)	(1,554)	(1,708)
MARILEE SUD	1	(1)	0	(1)	(25)	(68)
MCKINNEY	(26)	(7,833)	(12,107)	(17,876)	(24,731)	(29,461)
MELISSA	(1)	(2,159)	(4,246)	(6,479)	(8,620)	(9,808)
MILLIGAN WSC	(1)	(90)	(151)	(231)	(304)	(369)
MURPHY	(1)	(778)	(1,087)	(1,326)	(1,530)	(1,683)
NEVADA SUD	0	(34)	(54)	(216)	(587)	(1,164)
NORTH COLLIN SUD	0	(162)	(261)	(379)	(510)	(646)
NORTH FARMERSVILLE WSC	(13)	(22)	(36)	(54)	(70)	(85)
PARKER	(34)	(575)	(859)	(1,231)	(1,566)	(1,983)
PLANO	(25)	(12,692)	(17,865)	(21,772)	(25,173)	(27,965)
PRINCETON	0	(699)	(1,964)	(2,813)	(3,245)	(3,566)
PROSPER	(41)	(1,048)	(2,235)	(3,356)	(4,937)	(4,938)
RICHARDSON	(3)	(1,553)	(2,144)	(2,663)	(3,214)	(3,857)
SACHSE	(7)	(261)	(359)	(453)	(528)	(580)
SEIS LAGOS UD	1	(102)	(141)	(179)	(208)	(229)

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Region C Water User Group (WUG) Needs/Surplus*

SOUTH GRAYSON SUD	0	(17)	(57)	(89)	(125)	(160)
VERONA SUD	0	(35)	(94)	(182)	(243)	(297)
WEST LEONARD WSC	39	37	45	44	29	0
WESTMINSTER WSC	290	255	196	109	48	(6)
WYLIE	(3)	(1,168)	(1,711)	(2,241)	(2,689)	(3,255)
WYLIE NORTHEAST SUD	(1)	(141)	(228)	(452)	(780)	(1,265)
COUNTY-OTHER	250	186	163	146	(75)	(357)
MANUFACTURING	(110)	(534)	(700)	(833)	(946)	(1,022)
STEAM ELECTRIC POWER	0	0	0	0	0	0
LIVESTOCK	81	81	81	81	81	81
IRRIGATION	2,337	2,138	1,916	1,761	1,671	1,600
COOKE COUNTY - RED BASIN						
CALLISBURG WSC	0	2	2	3	2	2
GAINESVILLE	0	0	0	0	(1)	(4)
LINDSAY	0	0	0	0	(1)	(2)
TWO WAY SUD	(3)	(5)	(6)	(7)	(10)	(10)
WOODBINE WSC	0	0	0	(7)	(13)	(25)
COUNTY-OTHER	27	20	7	92	18	(371)
LIVESTOCK	45	45	45	45	45	45
IRRIGATION	0	(1)	(1)	(86)	(128)	(189)
COOKE COUNTY - TRINITY BASIN						
BOLIVAR WSC	20	4	(13)	(26)	(40)	(53)
CALLISBURG WSC	0	2	4	4	4	3
GAINESVILLE	0	0	0	(340)	(782)	(2,099)
LAKE KIOWA SUD	94	64	47	28	21	9
LINDSAY	0	(7)	(15)	(33)	(71)	(193)
MOUNTAIN SPRINGS WSC	65	41	22	2	(289)	(765)
MUENSTER	0	7	5	8	1	1
WOODBINE WSC	0	0	0	(82)	(156)	(283)
COUNTY-OTHER	94	70	23	333	66	(1,360)
MANUFACTURING	0	0	0	(40)	(60)	(89)
MINING	(583)	(150)	(148)	(146)	(161)	(136)
STEAM ELECTRIC POWER	0	0	0	0	0	0
LIVESTOCK	52	52	52	52	52	52
IRRIGATION	0	1	1	(195)	(292)	(434)
DALLAS COUNTY - TRINITY BASIN						
ADDISON	(228)	(707)	(1,296)	(1,781)	(2,129)	(2,450)
BALCH SPRINGS	(102)	(315)	(580)	(811)	(989)	(1,160)
CARROLLTON	(344)	(1,006)	(1,723)	(2,222)	(2,509)	(2,742)
CEDAR HILL	(387)	(1,376)	(2,800)	(3,933)	(4,446)	(4,856)
COCKRELL HILL	(15)	(47)	(78)	(100)	(149)	(346)
COMBINE WSC	(2)	(10)	(20)	(31)	(40)	(51)
COPPELL	(403)	(1,191)	(2,049)	(2,650)	(2,994)	(3,271)
DALLAS	(9,378)	(29,372)	(57,286)	(82,778)	(101,168)	(114,500)
DESOTO	(349)	(1,086)	(2,022)	(2,842)	(3,467)	(3,900)
DUNCANVILLE	(226)	(707)	(1,198)	(1,538)	(1,735)	(1,891)
EAST FORK SUD	(1)	(76)	(96)	(143)	(194)	(247)

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Region C Water User Group (WUG) Needs/Surplus*

FARMERS BRANCH	(335)	(1,029)	(1,870)	(2,565)	(3,061)	(3,521)
FERRIS	0	0	(1)	(1)	(1)	(2)
GARLAND	(16)	(7,724)	(11,184)	(13,686)	(15,883)	(17,454)
GLENN HEIGHTS	(54)	(207)	(458)	(735)	(988)	(1,424)
GRAND PRAIRIE	(1,269)	(5,725)	(8,873)	(10,840)	(11,989)	(12,942)
HIGHLAND PARK	0	0	0	0	0	0
HUTCHINS	(81)	(331)	(735)	(1,166)	(1,559)	(1,966)
IRVING	(12,797)	(19,999)	(21,362)	(21,473)	(21,778)	(22,124)
LANCASTER	(284)	(1,063)	(2,155)	(3,103)	(3,862)	(4,606)
LEWISVILLE	(6)	(19)	(35)	(47)	(57)	(57)
MESQUITE	(9)	(4,201)	(6,503)	(8,569)	(10,679)	(12,613)
OVILLA	(3)	(16)	(33)	(52)	(68)	(131)
RICHARDSON	(6)	(3,339)	(4,802)	(6,005)	(6,933)	(7,620)
ROCKETT SUD	0	(7)	(47)	(117)	(209)	(331)
ROWLETT	(3)	(1,727)	(2,589)	(3,337)	(4,024)	(4,674)
SACHSE	(18)	(662)	(911)	(1,106)	(1,277)	(1,404)
SEAGOVILLE	(251)	(672)	(975)	(1,421)	(1,906)	(2,006)
SUNNYVALE	(305)	(637)	(1,109)	(1,536)	(1,735)	(1,882)
UNIVERSITY PARK	0	0	0	0	0	0
WILMER	(16)	(50)	(133)	(318)	(563)	(1,117)
WYLIE	0	(62)	(89)	(111)	(132)	(153)
COUNTY-OTHER	(55)	(153)	(291)	(428)	(531)	(624)
MANUFACTURING	(567)	(2,193)	(3,786)	(4,935)	(5,643)	(6,195)
MINING	540	922	1,299	1,648	1,656	1,662
STEAM ELECTRIC POWER	6,666	6,594	6,514	6,457	6,426	6,400
LIVESTOCK	98	98	98	98	98	98
IRRIGATION	4,094	3,909	3,703	3,557	3,474	3,408
DENTON COUNTY - TRINITY BASIN						
ARGYLE WSC	0	(497)	(1,175)	(1,490)	(1,742)	(2,151)
AUBREY	12	(152)	(264)	(413)	(605)	(853)
BLACK ROCK WSC	172	100	35	(37)	(122)	(200)
BOLIVAR WSC	162	35	(130)	(334)	(588)	(886)
CARROLLTON	(532)	(1,604)	(2,747)	(3,540)	(3,999)	(4,368)
CELINA	(15)	(693)	(2,836)	(6,606)	(6,784)	(6,911)
COPPELL	(10)	(32)	(56)	(72)	(81)	(88)
CORINTH	0	(1,212)	(1,876)	(2,314)	(2,659)	(3,153)
CROSS TIMBERS WSC	(4)	(420)	(614)	(759)	(852)	(1,011)
DALLAS	(243)	(761)	(1,475)	(2,121)	(2,583)	(2,920)
DENTON	0	(6,371)	(14,185)	(29,472)	(53,757)	(72,323)
DENTON COUNTY FWSD 10	0	(760)	(1,397)	(1,727)	(1,987)	(2,355)
DENTON COUNTY FWSD 1-A	(44)	(1,324)	(2,558)	(3,237)	(3,772)	(4,292)
DENTON COUNTY FWSD 7	0	(828)	(1,288)	(1,593)	(1,832)	(2,171)
FLOWER MOUND	(782)	(4,998)	(7,246)	(9,106)	(10,624)	(12,752)
FORT WORTH	(222)	(5,190)	(8,297)	(13,217)	(18,479)	(24,029)
FRISCO	(83)	(4,095)	(7,201)	(8,888)	(10,392)	(11,425)
HACKBERRY	(62)	(117)	(197)	(290)	(404)	(532)
HIGHLAND VILLAGE	(1)	(642)	(832)	(938)	(1,079)	(1,384)

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Region C Water User Group (WUG) Needs/Surplus*

JUSTIN	(244)	(390)	(671)	(767)	(846)	(994)
KRUM	(202)	(333)	(521)	(755)	(1,091)	(1,590)
LAKE CITIES MUNICIPAL UTILITY AUTHORITY	(9)	(800)	(1,320)	(1,723)	(1,890)	(2,113)
LEWISVILLE	(741)	(2,774)	(5,751)	(8,884)	(11,991)	(11,987)
LITTLE ELM	(573)	(942)	(1,245)	(1,470)	(1,659)	(1,810)
MOUNTAIN SPRINGS WSC	1	1	1	0	(5)	(9)
MUSTANG SUD	0	(1,500)	(3,778)	(6,461)	(9,513)	(13,874)
NORTHLAKE	0	(817)	(1,858)	(3,361)	(5,054)	(6,055)
PALOMA CREEK NORTH	0	(560)	(872)	(1,078)	(1,238)	(1,468)
PALOMA CREEK SOUTH	0	(284)	(441)	(546)	(628)	(744)
PILOT POINT	(269)	(261)	(395)	(660)	(1,069)	(1,865)
PLANO	(2)	(347)	(494)	(599)	(692)	(761)
PONDER	0	(48)	(147)	(288)	(456)	(706)
PROSPER	(3)	(267)	(899)	(1,801)	(2,244)	(2,247)
PROVIDENCE VILLAGE WCID	0	(226)	(352)	(434)	(498)	(591)
ROANOKE	0	0	(373)	(473)	(666)	(875)
SANGER	0	(72)	(219)	(422)	(704)	(1,193)
SOUTHLAKE	0	0	(29)	(116)	(205)	(325)
THE COLONY	(332)	(944)	(1,662)	(2,332)	(2,648)	(2,893)
TROPHY CLUB MUD 1	0	555	348	(110)	(402)	(701)
WESTLAKE	0	0	(7)	(15)	(19)	(26)
COUNTY-OTHER	1,204	839	618	(747)	(2,898)	(7,774)
MANUFACTURING	(5)	(80)	(140)	(204)	(255)	(284)
MINING	0	385	302	(94)	(611)	(1,612)
STEAM ELECTRIC POWER	0	0	0	0	0	0
LIVESTOCK	583	583	583	583	583	583
IRRIGATION	1,879	1,766	1,640	1,550	1,500	1,459
ELLIS COUNTY - TRINITY BASIN						
AVALON WATER SUPPLY & SEWER SERVICE	0	(26)	(62)	(137)	(235)	(389)
BRANDON IRENE WSC	7	10	10	11	13	11
BUENA VISTA-BETHEL SUD	0	0	(94)	(298)	(866)	(1,711)
CEDAR HILL	(7)	(19)	(39)	(68)	(76)	(82)
EAST GARRETT WSC	0	0	(4)	(113)	(303)	(1,001)
ENNIS	398	0	(55)	(1,731)	(6,090)	(14,012)
FERRIS	0	(23)	(153)	(333)	(530)	(774)
FILES VALLEY WSC	150	199	215	224	226	186
GLENN HEIGHTS	(14)	(56)	(118)	(197)	(274)	(461)
GRAND PRAIRIE	(1)	(2)	(5)	(6)	(8)	(8)
HILCO UNITED SERVICES	6	4	3	3	1	1
ITALY	0	(171)	(255)	(383)	(540)	(788)
MANSFIELD	0	(10)	(17)	(30)	(42)	(55)
MIDLOTHIAN	(832)	(2,736)	(3,191)	(3,135)	(3,418)	(4,097)
MOUNTAIN PEAK SUD	(650)	(1,412)	(1,617)	(3,315)	(4,196)	(4,987)
OVILLA	(37)	(130)	(279)	(465)	(645)	(1,293)
PALMER	0	(10)	(59)	(143)	(260)	(633)
RED OAK	(23)	(138)	(319)	(587)	(816)	(1,390)
RICE WATER SUPPLY AND SEWER SERVICE	0	0	(1)	(111)	(267)	(503)

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Region C Water User Group (WUG) Needs/Surplus*

ROCKETT SUD	0	(162)	(870)	(2,212)	(4,180)	(7,168)
SARDIS LONE ELM WSC	(1,764)	(3,696)	(4,776)	(5,065)	(5,348)	(5,369)
SOUTH ELLIS COUNTY WSC	0	0	0	(204)	(473)	(889)
VENUS	(15)	(19)	(23)	(30)	(37)	(45)
WAXAHACHIE	0	0	(507)	(1,528)	(3,718)	(6,659)
COUNTY-OTHER	279	339	157	(167)	(1,673)	(5,001)
MANUFACTURING	(723)	(1,764)	(1,984)	(2,412)	(2,952)	(3,423)
MINING	0	0	0	0	0	0
STEAM ELECTRIC POWER	(139)	(189)	(198)	(209)	(215)	(221)
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	(748)	(748)	(748)	(748)	(748)	(748)
FANNIN COUNTY - RED BASIN						
ARLEDGE RIDGE WSC	21	11	(11)	(55)	(142)	(241)
BOIS D ARC MUD	(41)	(65)	(120)	(226)	(440)	(680)
BONHAM	0	0	(209)	(1,411)	(2,474)	(3,693)
DESERT WSC	2	0	1	(1)	0	0
HONEY GROVE	0	1	3	3	3	3
LEONARD	268	259	247	240	230	217
SOUTHWEST FANNIN COUNTY SUD	33	0	(27)	(57)	(152)	(257)
TRENTON	0	0	0	(1)	(2)	(2)
WHITE SHED WSC	0	(26)	(85)	(200)	(434)	(697)
WHITEWRIGHT	0	1	1	0	1	0
COUNTY-OTHER	0	118	98	(116)	(1,381)	(2,820)
MANUFACTURING	0	0	(1)	(4)	(7)	(8)
MINING	(380)	(211)	(42)	(42)	(42)	(42)
LIVESTOCK	190	190	190	190	190	190
IRRIGATION	(5,732)	(5,732)	(5,732)	(5,732)	(5,732)	(5,732)
FANNIN COUNTY - SULPHUR BASIN						
ARLEDGE RIDGE WSC	9	5	(4)	(21)	(56)	(95)
DELTA COUNTY MUD	0	0	0	0	0	0
HICKORY CREEK SUD	(7)	(13)	(19)	(23)	(28)	(32)
HONEY GROVE	0	7	12	14	15	15
LADONIA	0	(56)	(84)	(128)	(203)	(203)
LEONARD	49	58	69	77	87	100
NORTH HUNT SUD	(11)	(17)	(23)	(29)	(35)	(42)
WOLFE CITY	5	3	1	(2)	(8)	(15)
COUNTY-OTHER	0	8	6	(7)	(85)	(174)
MINING	(122)	(68)	(14)	(14)	(14)	(14)
LIVESTOCK	55	55	55	55	55	55
IRRIGATION	(121)	(121)	(121)	(121)	(121)	(121)
FANNIN COUNTY - TRINITY BASIN						
DESERT WSC	69	64	54	39	1	(61)
HICKORY CREEK SUD	0	(1)	(1)	(1)	(1)	(1)
LEONARD	(314)	(333)	(338)	(349)	(362)	(376)
SOUTHWEST FANNIN COUNTY SUD	2	1	(1)	(2)	(7)	(12)
TRENTON	0	(30)	(229)	(592)	(1,118)	(1,642)
WEST LEONARD WSC	166	152	146	119	74	21

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Region C Water User Group (WUG) Needs/Surplus*

COUNTY-OTHER	0	8	7	(9)	(103)	(209)
LIVESTOCK	12	12	12	12	12	12
IRRIGATION	(341)	(341)	(341)	(341)	(341)	(341)
FREESTONE COUNTY - BRAZOS BASIN						
POINT ENTERPRISE WSC	6	5	4	2	1	0
SOUTH FREESTONE COUNTY WSC	(3)	(2)	(4)	(18)	(41)	(91)
TEAGUE	(22)	(34)	(134)	(271)	(388)	(510)
COUNTY-OTHER	59	61	65	57	(8)	(187)
MINING	(477)	(451)	(466)	(470)	(478)	(503)
STEAM ELECTRIC POWER	(734)	(798)	(838)	(865)	(872)	(888)
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	14	14	14	14	14	14
FREESTONE COUNTY - TRINITY BASIN						
BUTLER WSC	0	5	9	9	8	7
FAIRFIELD	145	152	113	(630)	(973)	(1,686)
FLO COMMUNITY WSC	0	0	0	0	0	0
PLEASANT GROVE WSC	231	231	227	185	116	(31)
POINT ENTERPRISE WSC	5	4	4	3	1	0
SOUTH FREESTONE COUNTY WSC	(15)	(12)	(22)	(97)	(222)	(496)
TEAGUE	(23)	(36)	(145)	(292)	(419)	(551)
WORTHAM	(12)	(19)	(23)	(27)	(148)	(188)
COUNTY-OTHER	450	464	499	433	(68)	(1,445)
MANUFACTURING	0	0	0	0	0	0
MINING	(3,858)	(3,652)	(3,773)	(3,804)	(3,866)	(4,067)
STEAM ELECTRIC POWER	(6,315)	(6,864)	(7,206)	(7,437)	(7,504)	(7,641)
LIVESTOCK	(30)	(30)	(30)	(30)	(30)	(30)
IRRIGATION	117	117	117	117	117	117
GRAYSON COUNTY - RED BASIN						
BELLS	100	76	50	32	(298)	(501)
DENISON	(748)	(1,419)	(1,501)	(2,292)	(3,868)	(7,020)
DORCHESTER	50	48	44	42	34	23
HOWE	3	(1)	(5)	(7)	(13)	(20)
KENTUCKYTOWN WSC	5	(24)	(53)	(82)	(154)	(250)
LUELLA SUD	2	(35)	(75)	(104)	(159)	(243)
NORTHWEST GRAYSON COUNTY WCID 1	(31)	(31)	(36)	(58)	(135)	(255)
OAK RIDGE SOUTH GALE WSC	(14)	(30)	(35)	(60)	(124)	(234)
PINK HILL WSC	0	(14)	(8)	(35)	(127)	(258)
POTTSBORO	(95)	(162)	(210)	(346)	(729)	(2,135)
RED RIVER AUTHORITY OF TEXAS	0	0	0	0	0	0
SHERMAN	0	0	0	0	(1,828)	(9,269)
SOUTHMAYD	(49)	(59)	(70)	(85)	(146)	(229)
SOUTHWEST FANNIN COUNTY SUD	14	(28)	(87)	(158)	(284)	(435)
STARR WSC	262	249	259	231	136	0
TOM BEAN	0	(3)	(7)	(11)	(20)	(45)
TWO WAY SUD	(134)	(245)	(335)	(461)	(717)	(1,016)
WHITESBORO	36	40	44	49	(4)	(87)
WHITEWRIGHT	44	49	53	65	52	25

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Region C Water User Group (WUG) Needs/Surplus*

COUNTY-OTHER	381	510	739	666	(461)	(1,395)
MANUFACTURING	454	446	443	442	24	(701)
MINING	(100)	2	105	89	70	49
LIVESTOCK	161	161	161	161	161	161
IRRIGATION	0	0	0	0	0	0
GRAYSON COUNTY - TRINITY BASIN						
COLLINSVILLE	(40)	(91)	(153)	(231)	(256)	(411)
DESERT WSC	64	56	49	31	1	(27)
DORCHESTER	24	23	21	19	16	10
GUNTER	0	0	0	0	(117)	(387)
HOWE	5	(4)	(10)	(21)	(36)	(52)
KENTUCKYTOWN WSC	5	(23)	(51)	(78)	(146)	(237)
LUELLA SUD	1	(5)	(10)	(14)	(22)	(34)
MARILEE SUD	(1)	1	0	1	(18)	(51)
MUSTANG SUD	0	(8)	(13)	(17)	(20)	(23)
SOUTH GRAYSON SUD	0	(34)	(99)	(133)	(168)	(194)
TIOGA	0	(10)	(19)	(31)	(265)	(424)
TOM BEAN	0	(24)	(45)	(72)	(137)	(308)
TWO WAY SUD	(74)	(135)	(184)	(254)	(394)	(558)
VAN ALSTYNE	(1)	(41)	(128)	(241)	(739)	(1,248)
WESTMINSTER WSC	3	3	2	1	1	0
WHITESBORO	42	46	50	57	(6)	(101)
WHITEWRIGHT	0	0	0	1	0	0
WOODBINE WSC	0	0	0	(1)	(3)	(4)
COUNTY-OTHER	11	15	23	21	(16)	(45)
MANUFACTURING	1	1	1	1	0	(3)
STEAM ELECTRIC POWER	0	0	0	0	0	0
LIVESTOCK	90	90	90	90	90	90
IRRIGATION	0	0	0	0	0	0
HENDERSON COUNTY - TRINITY BASIN						
ATHENS	0	(11)	(96)	(240)	(1,878)	(4,399)
B B S WSC	0	0	0	0	0	0
BETHEL ASH WSC	108	89	72	47	23	0
CRESCENT HEIGHTS WSC	133	130	122	110	63	0
DOGWOOD ESTATES WATER	12	5	(7)	(22)	(78)	(151)
EAST CEDAR CREEK FWSD	(196)	(345)	(514)	(714)	(925)	(1,162)
EUSTACE	33	27	19	(44)	(104)	(156)
MABANK	(262)	(329)	(397)	(670)	(1,122)	(1,747)
MALAKOFF	0	0	(1)	(4)	(10)	(17)
TRINIDAD	345	351	354	354	343	322
VIRGINIA HILL WSC	134	113	94	64	36	0
WEST CEDAR CREEK MUD	0	0	(43)	(145)	(262)	(431)
COUNTY-OTHER	0	0	(8)	(12)	0	(15)
MANUFACTURING	82	10	(7)	(31)	(174)	(274)
MINING	130	80	91	75	70	69
STEAM ELECTRIC POWER	0	0	(28)	(91)	(131)	(172)
LIVESTOCK	(407)	(407)	(407)	(407)	(407)	(407)

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Region C Water User Group (WUG) Needs/Surplus*

IRRIGATION	0	0	0	0	0	0
JACK COUNTY - BRAZOS BASIN						
COUNTY-OTHER	(13)	(20)	(23)	(23)	(26)	(29)
MANUFACTURING	0	0	0	0	0	0
MINING	(52)	(57)	(76)	(116)	(145)	(182)
LIVESTOCK	43	43	43	43	43	43
IRRIGATION	24	23	23	23	23	23
JACK COUNTY - TRINITY BASIN						
JACKSBORO	0	0	0	0	(2)	(8)
COUNTY-OTHER	(17)	(25)	(28)	(30)	(33)	(36)
MINING	(80)	(87)	(116)	(176)	(220)	(274)
STEAM ELECTRIC POWER	(7)	(330)	(532)	(659)	(753)	(989)
LIVESTOCK	104	104	104	104	104	104
IRRIGATION	70	70	70	69	69	68
KAUFMAN COUNTY - SABINE BASIN						
ABLES SPRINGS WSC	1	(35)	(62)	(96)	(133)	(175)
MACBEE SUD	0	66	68	71	75	79
POETRY WSC	(2)	(12)	(20)	(31)	(49)	(72)
COUNTY-OTHER	0	(6)	(11)	(13)	(61)	(152)
MINING	19	14	9	1	(6)	(14)
LIVESTOCK	5	5	5	5	5	5
IRRIGATION	2	2	2	2	2	2
KAUFMAN COUNTY - TRINITY BASIN						
ABLES SPRINGS WSC	0	(30)	(50)	(75)	(108)	(140)
BECKER JIBA WSC	0	(71)	(118)	(202)	(326)	(477)
COLLEGE MOUND WSC	(1)	(170)	(285)	(439)	(744)	(1,036)
COMBINE WSC	(11)	(35)	(69)	(108)	(146)	(188)
CRANDALL	(62)	(302)	(481)	(745)	(759)	(760)
ELMO WSC	(32)	(57)	(91)	(144)	(228)	(332)
FORNEY	(2)	(628)	(1,137)	(1,761)	(3,085)	(5,514)
FORNEY LAKE WSC	(1)	(246)	(411)	(628)	(1,238)	(1,957)
GASTONIA SCURRY SUD	0	(156)	(260)	(409)	(791)	(1,355)
HIGH POINT WSC	1	(82)	(132)	(202)	(347)	(496)
KAUFMAN	0	(270)	(455)	(867)	(1,309)	(1,764)
KAUFMAN COUNTY DEVELOPMENT DISTRICT 1	(10)	(210)	(358)	(580)	(936)	(1,377)
KAUFMAN COUNTY MUD 11	(89)	(155)	(252)	(367)	(512)	(687)
KEMP	(189)	(252)	(321)	(428)	(724)	(1,058)
MABANK	(427)	(531)	(627)	(1,091)	(1,846)	(2,874)
MACBEE SUD	0	9	12	13	13	14
MARKOUT WSC	(61)	(112)	(182)	(287)	(457)	(667)
MESQUITE	0	(4)	(7)	(11)	(15)	(19)
NORTH KAUFMAN WSC	(28)	(52)	(85)	(136)	(217)	(317)
POETRY WSC	0	(10)	(18)	(31)	(48)	(71)
ROSE HILL SUD	(1)	(92)	(151)	(234)	(357)	(602)
SEAGOVILLE	(1)	(1)	(2)	(2)	(4)	(4)
TALTY SUD	(1)	(363)	(584)	(1,000)	(1,609)	(2,436)
TERRELL	(1)	(2,139)	(4,789)	(6,600)	(8,645)	(11,633)

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Region C Water User Group (WUG) Needs/Surplus*

WEST CEDAR CREEK MUD	0	0	(14)	(55)	(90)	(134)
COUNTY-OTHER	3	(48)	(74)	(91)	(463)	(1,170)
MANUFACTURING	97	(97)	(176)	(236)	(289)	(327)
MINING	361	276	176	29	(101)	(261)
STEAM ELECTRIC POWER	0	(198)	(276)	(338)	(391)	(431)
LIVESTOCK	147	147	147	147	147	147
IRRIGATION	556	649	746	753	744	736
NAVARRO COUNTY - TRINITY BASIN						
B AND B WSC	0	0	0	(26)	(63)	(125)
BLOOMING GROVE	0	0	0	(18)	(40)	(69)
BRANDON IRENE WSC	19	21	21	21	20	17
CHATFIELD WSC	0	0	0	(47)	(105)	(181)
CORBET WSC	0	0	0	(26)	(59)	(102)
CORSICANA	0	0	0	(674)	(1,499)	(2,618)
DAWSON	0	0	0	(14)	(29)	(49)
KERENS	0	0	0	(23)	(51)	(89)
M E N WSC	0	0	0	(54)	(119)	(208)
NAVARRO MILLS WSC	20	20	20	(15)	(59)	(117)
PLEASANT GROVE WSC	20	21	19	16	10	(3)
POST OAK SUD	0	0	0	(5)	(12)	(21)
RICE WATER SUPPLY AND SEWER SERVICE	0	0	1	(67)	(163)	(307)
SOUTH ELLIS COUNTY WSC	0	0	0	(8)	(17)	(33)
COUNTY-OTHER	200	200	197	141	58	(242)
MANUFACTURING	0	0	(1)	(93)	(188)	(301)
MINING	(217)	(262)	(306)	(596)	(830)	(1,100)
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	151	151	151	151	151	151
PARKER COUNTY - BRAZOS BASIN						
HORSESHOE BEND WATER SYSTEM	296	261	240	188	107	0
MINERAL WELLS	(250)	(249)	(248)	(247)	(248)	(248)
NORTH RURAL WSC	29	27	26	25	22	20
PARKER COUNTY SUD	(1)	(389)	(778)	(1,169)	(1,565)	(1,962)
SANTO SUD	3	2	1	0	0	(1)
WEATHERFORD	(1)	(31)	(65)	(203)	(581)	(956)
COUNTY-OTHER	(171)	29	755	(879)	(3,401)	(6,681)
MINING	(227)	(757)	(749)	(796)	(832)	(987)
LIVESTOCK	300	300	300	300	300	300
IRRIGATION	222	237	254	266	280	296
PARKER COUNTY - TRINITY BASIN						
ALEDO	35	52	(72)	(251)	(282)	(462)
ANNETTA	356	291	222	150	75	0
AZLE	(62)	(84)	(122)	(160)	(240)	(381)
FORT WORTH	(386)	(9,227)	(11,508)	(14,609)	(17,000)	(19,260)
HUDSON OAKS	(325)	(492)	(551)	(978)	(1,170)	(1,213)
RENO (Parker)	11	9	(1)	(12)	(25)	(36)
SPRINGTOWN	(468)	(761)	(754)	(749)	(748)	(748)
WALNUT CREEK SUD	0	(14)	(192)	(649)	(1,407)	(2,329)

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Region C Water User Group (WUG) Needs/Surplus*

WEATHERFORD	1	(530)	(1,099)	(3,430)	(9,797)	(16,122)
WILLOW PARK	(166)	(553)	(819)	(1,163)	(1,677)	(1,971)
COUNTY-OTHER	(123)	19	538	(629)	(2,429)	(4,769)
MANUFACTURING	58	44	41	31	25	22
MINING	(140)	(466)	(460)	(488)	(512)	(606)
STEAM ELECTRIC POWER	0	0	0	0	0	0
LIVESTOCK	217	217	217	217	217	217
IRRIGATION	70	74	79	83	88	92
ROCKWALL COUNTY - SABINE BASIN						
B H P WSC	(2)	(5)	(8)	(13)	(19)	(29)
BEAR CREEK SUD	0	(10)	(16)	(27)	(61)	(142)
BLACKLAND WSC	(1)	(77)	(113)	(142)	(186)	(218)
CASH SUD	(5)	150	111	71	(10)	(118)
FATE	0	(344)	(645)	(1,042)	(1,463)	(1,786)
NEVADA SUD	0	(1)	(4)	(12)	(36)	(71)
ROYSE CITY	(1)	(193)	(275)	(800)	(1,568)	(1,913)
COUNTY-OTHER	0	(37)	(52)	(58)	(76)	(130)
MANUFACTURING	(1)	(7)	(8)	(10)	(12)	(13)
LIVESTOCK	3	3	3	3	3	3
IRRIGATION	178	172	166	161	159	157
ROCKWALL COUNTY - TRINITY BASIN						
BEAR CREEK SUD	(1)	(8)	(16)	(25)	(55)	(131)
BLACKLAND WSC	0	(91)	(136)	(169)	(218)	(260)
DALLAS	(1)	(3)	(6)	(8)	(11)	(15)
EAST FORK SUD	0	(36)	(64)	(99)	(141)	(185)
FATE	(1)	(295)	(558)	(896)	(1,259)	(1,538)
FORNEY LAKE WSC	0	(27)	(47)	(68)	(94)	(120)
GARLAND	0	(1)	(1)	(1)	(1)	(1)
HEATH	(2)	(981)	(1,727)	(2,136)	(2,581)	(2,960)
HIGH POINT WSC	(1)	(9)	(19)	(26)	(48)	(66)
MOUNT ZION WSC	0	(108)	(183)	(268)	(370)	(477)
R C H WSC	(1)	(218)	(354)	(524)	(783)	(1,051)
ROCKWALL	(4)	(2,583)	(5,466)	(6,953)	(8,684)	(10,309)
ROWLETT	0	(202)	(279)	(339)	(397)	(438)
WYLIE	0	(93)	(132)	(165)	(199)	(232)
COUNTY-OTHER	0	(62)	(89)	(103)	(131)	(222)
LIVESTOCK	3	3	3	3	3	3
IRRIGATION	594	575	554	539	530	522
TARRANT COUNTY - TRINITY BASIN						
ARLINGTON	0	0	(2,946)	(9,600)	(13,825)	(18,149)
AZLE	(248)	(335)	(489)	(639)	(960)	(1,524)
BEDFORD	0	0	(420)	(1,430)	(2,060)	(2,705)
BENBROOK WATER AUTHORITY	(1,580)	(2,030)	(2,497)	(3,213)	(3,960)	(3,960)
BETHESDA WSC	(646)	(774)	(950)	(1,180)	(1,402)	(1,649)
BURLESON	0	0	(149)	(389)	(629)	(857)
COLLEYVILLE	0	0	(444)	(1,474)	(2,125)	(2,789)
COMMUNITY WSC	0	0	(17)	(58)	(91)	(128)

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Region C Water User Group (WUG) Needs/Surplus*

CROWLEY	(564)	(911)	(1,403)	(2,033)	(3,104)	(3,807)
DALWORTHINGTON GARDENS	0	0	(40)	(130)	(191)	(257)
EDGECLIFF	0	0	(20)	(66)	(95)	(124)
EULESS	0	(496)	(750)	(905)	(1,302)	(1,709)
EVERMAN	0	2	16	28	30	30
FLOWER MOUND	(2)	(15)	(22)	(28)	(32)	(39)
FOREST HILL	0	0	(62)	(235)	(502)	(1,006)
FORT WORTH	(5,170)	(96,261)	(130,568)	(160,631)	(187,485)	(213,092)
GRAND PRAIRIE	(396)	(1,434)	(1,988)	(2,429)	(2,686)	(2,902)
GRAPEVINE	(988)	(2,161)	(3,040)	(3,660)	(3,932)	(4,048)
HALTOM CITY	0	0	(227)	(777)	(1,205)	(1,725)
HASLET	0	0	(106)	(607)	(874)	(1,147)
HURST	0	0	(265)	(844)	(1,214)	(1,594)
JOHNSON COUNTY SUD	164	209	180	85	5	(73)
KELLER	(573)	(2,101)	(2,832)	(3,337)	(3,521)	(3,550)
KENNEDALE	0	(280)	(312)	(425)	(567)	(791)
LAKE WORTH	0	0	(51)	(193)	(330)	(607)
LAKESIDE	(79)	(87)	(97)	(108)	(107)	(107)
MANSFIELD	(514)	(6,726)	(10,737)	(16,291)	(20,755)	(25,317)
NORTH RICHLAND HILLS	(113)	(598)	(1,194)	(2,168)	(2,738)	(3,436)
PANTEGO	46	58	68	74	75	75
PELICAN BAY	4	2	0	(3)	(5)	(7)
RENO (Parker)	0	0	(1)	(1)	(1)	(1)
RICHLAND HILLS	0	0	(43)	(157)	(253)	(382)
RIVER OAKS	0	0	(35)	(108)	(156)	(204)
SAGINAW	0	0	(168)	(565)	(814)	(1,069)
SANSOM PARK	44	34	(1)	(5)	(15)	(28)
SOUTHLAKE	0	0	(614)	(2,251)	(3,649)	(5,323)
WATAUGA	0	0	(115)	(360)	(519)	(680)
WESTLAKE	0	0	(1,134)	(2,007)	(2,096)	(2,312)
WESTOVER HILLS	0	0	(41)	(137)	(202)	(271)
WESTWORTH VILLAGE	0	0	(19)	(65)	(101)	(141)
WHITE SETTLEMENT	0	0	(65)	(258)	(503)	(835)
COUNTY-OTHER	(49)	(145)	(435)	(1,406)	(2,510)	(4,408)
MANUFACTURING	(28)	(126)	(707)	(1,942)	(2,734)	(3,539)
MINING	0	2,487	5,401	5,443	5,477	5,503
STEAM ELECTRIC POWER	0	(1,528)	(2,430)	(2,586)	(2,686)	(2,786)
LIVESTOCK	(75)	(75)	(75)	(75)	(75)	(75)
IRRIGATION	2,187	2,187	2,119	1,969	1,872	1,772
WISE COUNTY - TRINITY BASIN						
ALVORD	0	(46)	(94)	(164)	(220)	(276)
BOLIVAR WSC	14	3	(10)	(25)	(42)	(59)
BOYD	0	(1)	(20)	(68)	(167)	(235)
BRIDGEPORT	0	(140)	(375)	(875)	(1,564)	(2,379)
CHICO	0	(5)	(16)	(246)	(395)	(570)
DECATUR	(514)	(1,349)	(2,258)	(3,433)	(4,347)	(5,343)
FORT WORTH	(74)	(1,615)	(2,297)	(3,339)	(4,435)	(5,573)

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Region C Water User Group (WUG) Needs/Surplus*

NEWARK	(69)	(123)	(219)	(337)	(518)	(732)
RHOME	0	(3)	(66)	(277)	(573)	(949)
RUNAWAY BAY	(8)	(84)	(154)	(268)	(366)	(525)
WALNUT CREEK SUD	0	(3)	(52)	(149)	(323)	(527)
WEST WISE SUD	0	(23)	(50)	(73)	(106)	(145)
COUNTY-OTHER	0	(7)	(119)	(336)	(520)	(1,402)
MANUFACTURING	(159)	(201)	(203)	(208)	(211)	(214)
MINING	0	(246)	(1,097)	(2,732)	(4,326)	(6,598)
STEAM ELECTRIC POWER	0	0	(125)	(401)	(578)	(759)
LIVESTOCK	377	377	377	377	377	377
IRRIGATION	(463)	(463)	(463)	(463)	(463)	(463)

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TWDB DB22 Report #9 – Source Water Balance

Region C Source Water Balance (Availability - WUG Supply)

GROUNDWATER SOURCE TYPE				SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY*	2020	2030	2040	2050	2060	2070
CARRIZO-WILCOX AQUIFER	FREESTONE	BRAZOS	FRESH	0	10	29	41	67	67
CARRIZO-WILCOX AQUIFER	FREESTONE	TRINITY	FRESH	3,692	3,903	4,101	4,269	4,477	4,477
CARRIZO-WILCOX AQUIFER	HENDERSON	TRINITY	FRESH	3,817	3,817	3,817	3,720	3,565	3,536
CARRIZO-WILCOX AQUIFER	NAVARRO	TRINITY	FRESH	0	0	0	0	0	0
CROSS TIMBERS AQUIFER	JACK	BRAZOS	FRESH	0	0	0	0	0	0
CROSS TIMBERS AQUIFER	JACK	TRINITY	FRESH	76	76	76	76	76	76
CROSS TIMBERS AQUIFER	PARKER	BRAZOS	FRESH	0	0	0	0	0	0
NACATOCH AQUIFER	ELLIS	TRINITY	FRESH	20	20	20	20	20	20
NACATOCH AQUIFER	KAUFMAN	SABINE	FRESH	49	49	49	49	49	49
NACATOCH AQUIFER	KAUFMAN	TRINITY	FRESH	0	0	0	0	0	0
NACATOCH AQUIFER	NAVARRO	TRINITY	FRESH	0	0	0	0	0	0
NACATOCH AQUIFER	ROCKWALL	SABINE	FRESH	0	0	0	0	0	0
NACATOCH AQUIFER	ROCKWALL	TRINITY	FRESH	13	13	13	13	13	13
OTHER AQUIFER	FANNIN	RED	FRESH	2,358	2,358	2,358	2,358	2,358	2,358
OTHER AQUIFER	NAVARRO	TRINITY	FRESH	166	166	166	166	166	166
QUEEN CITY AQUIFER	FREESTONE	TRINITY	FRESH	0	0	0	0	0	0
QUEEN CITY AQUIFER	HENDERSON	TRINITY	FRESH	2,845	2,845	2,845	2,845	2,845	2,845
TRINITY AQUIFER	COLLIN	SABINE	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	COLLIN	TRINITY	FRESH	4,026	4,011	4,026	4,011	4,026	4,011
TRINITY AQUIFER	COOKE	RED	FRESH	1,817	1,810	1,817	1,810	1,817	1,810
TRINITY AQUIFER	COOKE	TRINITY	FRESH	1,628	1,605	1,628	1,605	1,628	1,605
TRINITY AQUIFER	DALLAS	TRINITY	FRESH	43	32	43	32	43	32
TRINITY AQUIFER	DENTON	TRINITY	FRESH	15,725	15,642	15,725	15,642	15,725	15,642
TRINITY AQUIFER	ELLIS	TRINITY	FRESH	620	1,302	1,543	1,210	905	915
TRINITY AQUIFER	FANNIN	RED	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	FANNIN	SULPHUR	FRESH	1,340	1,335	1,340	1,335	1,340	1,335
TRINITY AQUIFER	FANNIN	TRINITY	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	GRAYSON	RED	FRESH	20	2	20	2	20	2
TRINITY AQUIFER	GRAYSON	TRINITY	FRESH	418	407	418	407	418	407
TRINITY AQUIFER	KAUFMAN	SABINE	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	KAUFMAN	TRINITY	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	NAVARRO	TRINITY	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	PARKER	BRAZOS	FRESH	25	19	25	19	25	19
TRINITY AQUIFER	PARKER	TRINITY	FRESH	120	92	120	92	120	92
TRINITY AQUIFER	ROCKWALL	SABINE	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	ROCKWALL	TRINITY	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	TARRANT	TRINITY	FRESH	911	862	911	862	911	862
TRINITY AQUIFER	WISE	TRINITY	FRESH	2,449	2,423	2,449	2,423	2,449	2,423
WOODBINE AQUIFER	COLLIN	SABINE	FRESH	0	0	0	0	0	0
WOODBINE AQUIFER	COLLIN	TRINITY	FRESH	1,826	1,814	1,826	1,814	1,826	1,814
WOODBINE AQUIFER	COOKE	RED	FRESH	202	201	202	201	202	201
WOODBINE AQUIFER	COOKE	TRINITY	FRESH	446	444	446	444	446	444
WOODBINE AQUIFER	DALLAS	TRINITY	FRESH	1,055	1,047	1,055	1,047	1,055	1,047
WOODBINE AQUIFER	DENTON	TRINITY	FRESH	1,460	1,451	1,460	1,451	1,460	1,451
WOODBINE AQUIFER	ELLIS	TRINITY	FRESH	0	4	9	2	6	0

*Salinity field indicates whether the source availability is considered 'fresh' (less than 1,000 mg/L), 'brackish' (1,000 to 10,000 mg/L), 'saline' (10,001 mg/L to 34,999 mg/L), or 'seawater' (35,000 mg/L or greater). Sources can also be labeled as 'fresh/brackish' or 'brackish/saline', if a combination of the salinity types is appropriate.

Region C Source Water Balance (Availability - WUG Supply)

GROUNDWATER SOURCE TYPE				SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY*	2020	2030	2040	2050	2060	2070
WOODBINE AQUIFER	FANNIN	RED	FRESH	1,612	1,603	1,612	1,603	1,612	1,603
WOODBINE AQUIFER	FANNIN	SULPHUR	FRESH	0	0	0	0	0	0
WOODBINE AQUIFER	FANNIN	TRINITY	FRESH	25	23	25	23	25	23
WOODBINE AQUIFER	GRAYSON	RED	FRESH	186	170	186	170	186	170
WOODBINE AQUIFER	GRAYSON	TRINITY	FRESH	24	20	24	20	24	20
WOODBINE AQUIFER	KAUFMAN	SABINE	FRESH	0	0	0	0	0	0
WOODBINE AQUIFER	KAUFMAN	TRINITY	FRESH	0	0	0	0	0	0
WOODBINE AQUIFER	NAVARRO	TRINITY	FRESH	48	48	48	48	48	48
WOODBINE AQUIFER	ROCKWALL	SABINE	FRESH	0	0	0	0	0	0
WOODBINE AQUIFER	ROCKWALL	TRINITY	FRESH	0	0	0	0	0	0
WOODBINE AQUIFER	TARRANT	TRINITY	FRESH	509	506	509	506	509	506
GROUNDWATER TOTAL SOURCE WATER BALANCE				**49,571**	**50,130**	**50,941**	**50,336**	**50,462**	**50,089**

REUSE SOURCE TYPE				SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY*	2020	2030	2040	2050	2060	2070
DIRECT REUSE	COLLIN	TRINITY	FRESH	0	0	0	0	0	0
DIRECT REUSE	COOKE	TRINITY	FRESH	0	0	0	0	0	0
DIRECT REUSE	DALLAS	TRINITY	FRESH	28,025	28,025	28,025	28,025	28,025	28,025
DIRECT REUSE	DENTON	TRINITY	FRESH	0	0	0	0	0	0
DIRECT REUSE	ELLIS	TRINITY	FRESH	298	298	298	298	298	298
DIRECT REUSE	HENDERSON	TRINITY	FRESH	0	0	0	0	0	0
DIRECT REUSE	JACK	TRINITY	FRESH	0	0	0	0	0	0
DIRECT REUSE	KAUFMAN	TRINITY	FRESH	217	217	217	217	217	217
DIRECT REUSE	PARKER	TRINITY	FRESH	0	0	0	0	0	0
DIRECT REUSE	ROCKWALL	TRINITY	FRESH	0	0	0	0	0	0
DIRECT REUSE	TARRANT	TRINITY	FRESH	897	897	897	897	897	897
DIRECT REUSE	WISE	TRINITY	FRESH	0	0	87	1,234	2,401	4,022
INDIRECT REUSE	COLLIN	TRINITY	FRESH	0	0	0	0	0	0
INDIRECT REUSE	DALLAS	TRINITY	FRESH	0	0	0	0	0	1,110
INDIRECT REUSE	DENTON	TRINITY	FRESH	0	0	0	0	0	0
INDIRECT REUSE	ELLIS	TRINITY	FRESH	0	0	0	0	0	0
INDIRECT REUSE	NAVARRO	TRINITY	FRESH	16,891	12,620	8,367	4,098	0	0
INDIRECT REUSE	PARKER	TRINITY	FRESH	0	561	1,121	1,121	1,121	1,121
INDIRECT REUSE	TARRANT	TRINITY	FRESH	0	0	0	0	0	0
REUSE TOTAL SOURCE WATER BALANCE				**46,328**	**42,618**	**39,012**	**35,890**	**32,959**	**35,690**

SURFACE WATER SOURCE TYPE				SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY*	2020	2030	2040	2050	2060	2070
BARDWELL LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	0	0	0	0	0	0
BONHAM LAKE/RESERVOIR	RESERVOIR	RED	FRESH	0	0	0	0	0	0
BRAZOS LIVESTOCK LOCAL SUPPLY	FREESTONE	BRAZOS	FRESH	0	0	0	0	0	0
BRAZOS LIVESTOCK LOCAL SUPPLY	JACK	BRAZOS	FRESH	0	0	0	0	0	0
BRAZOS LIVESTOCK LOCAL SUPPLY	PARKER	BRAZOS	FRESH	0	0	0	0	0	0
BRAZOS OTHER LOCAL SUPPLY	PARKER	BRAZOS	FRESH	0	0	0	0	0	0
BRAZOS RUN-OF-RIVER	PARKER	BRAZOS	FRESH	0	0	0	0	0	0

*Salinity field indicates whether the source availability is considered 'fresh' (less than 1,000 mg/L), 'brackish' (1,000 to 10,000 mg/L), 'saline' (10,001 mg/L to 34,999 mg/L), or 'seawater' (35,000 mg/L or greater). Sources can also be labeled as 'fresh/brackish' or 'brackish/saline', if a combination of the salinity types is appropriate.

Region C Source Water Balance (Availability - WUG Supply)

SURFACE WATER SOURCE TYPE				SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY*	2020	2030	2040	2050	2060	2070
BRYSON LAKE/RESERVOIR	RESERVOIR	BRAZOS	FRESH	0	0	0	0	0	0
CLARK LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	210	210	210	210	210	210
FAIRFIELD LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	0	0	0	0	0	0
FOREST GROVE LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	8,653	8,590	8,527	8,463	8,400	8,337
GRAPEVINE LAKE/RESERVOIR NON-SYSTEM PORTION	RESERVOIR	TRINITY	FRESH	0	0	0	0	0	0
HALBERT LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	0	0	0	0	0	0
HUBERT H MOSS LAKE/RESERVOIR	RESERVOIR	RED	FRESH	0	0	0	0	0	0
JOE POOL LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	0	0	0	0	0	0
LEWISVILLE LAKE/RESERVOIR NON-SYSTEM PORTION	RESERVOIR	TRINITY	FRESH	0	0	0	0	0	0
LOST CREEK-JACKSBORO LAKE/RESERVOIR SYSTEM	RESERVOIR	TRINITY	FRESH	863	863	863	863	863	863
MINERAL WELLS LAKE/RESERVOIR	RESERVOIR	BRAZOS	FRESH	2,495	2,483	2,470	2,458	2,445	2,433
MOUNTAIN CREEK LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	0	0	0	0	0	0
MUENSTER LAKE/RESERVOIR	RESERVOIR	RED	FRESH	300	300	300	300	300	300
NAVARRO MILLS LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	0	0	0	0	0	0
NORTH TEXAS MWD RESERVOIR/SYSTEM	RESERVOIR	TRINITY	FRESH	140,700	139,738	138,775	137,812	136,850	135,887
RANDELL LAKE/RESERVOIR	RESERVOIR	RED	FRESH	0	0	0	0	0	0
RAY HUBBARD LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	0	0	0	0	0	0
RAY ROBERTS LAKE/RESERVOIR NON-SYSTEM PORTION	RESERVOIR	TRINITY	FRESH	0	0	0	0	0	0
RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	RESERVOIR	TRINITY	FRESH	0	0	0	0	0	0
RED LIVESTOCK LOCAL SUPPLY	COOKE	RED	FRESH	0	0	0	0	0	0
RED LIVESTOCK LOCAL SUPPLY	FANNIN	RED	FRESH	0	0	0	0	0	0
RED LIVESTOCK LOCAL SUPPLY	GRAYSON	RED	FRESH	0	0	0	0	0	0
RED RUN-OF-RIVER	FANNIN	RED	FRESH	0	0	0	0	0	0
RED RUN-OF-RIVER	GRAYSON	RED	FRESH	0	0	0	0	0	0
RICHLAND CHAMBERS LAKE/RESERVOIR NON-SYSTEM PORTION	RESERVOIR	TRINITY	FRESH	11,999	11,798	11,621	11,596	11,588	11,580
SABINE LIVESTOCK LOCAL SUPPLY	COLLIN	SABINE	FRESH	0	0	0	0	0	0
SABINE LIVESTOCK LOCAL SUPPLY	KAUFMAN	SABINE	FRESH	0	0	0	0	0	0
SABINE LIVESTOCK LOCAL SUPPLY	ROCKWALL	SABINE	FRESH	0	0	0	0	0	0
SULPHUR LIVESTOCK LOCAL SUPPLY	FANNIN	SULPHUR	FRESH	0	0	0	0	0	0
SULPHUR RUN-OF-RIVER	FANNIN	SULPHUR	FRESH	0	0	0	0	0	0
TEAGUE CITY LAKE/RESERVOIR	RESERVOIR	BRAZOS	FRESH	189	189	189	189	189	189
TERRELL LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	2,267	2,250	2,233	2,217	2,200	2,183
TEXOMA LAKE/RESERVOIR NON-SYSTEM PORTION	RESERVOIR	RED	FRESH	17,801	17,767	17,738	17,705	17,672	17,692
TRINIDAD CITY LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	0	0	0	0	0	0
TRINIDAD LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	0	0	0	0	0	0
TRINITY LIVESTOCK LOCAL SUPPLY	COLLIN	TRINITY	FRESH	0	0	0	0	0	0
TRINITY LIVESTOCK LOCAL SUPPLY	COOKE	TRINITY	FRESH	0	0	0	0	0	0
TRINITY LIVESTOCK LOCAL SUPPLY	DALLAS	TRINITY	FRESH	0	0	0	0	0	0
TRINITY LIVESTOCK LOCAL SUPPLY	DENTON	TRINITY	FRESH	0	0	0	0	0	0
TRINITY LIVESTOCK LOCAL SUPPLY	ELLIS	TRINITY	FRESH	0	0	0	0	0	0

*Salinity field indicates whether the source availability is considered 'fresh' (less than 1,000 mg/L), 'brackish' (1,000 to 10,000 mg/L), 'saline' (10,001 mg/L to 34,999 mg/L), or 'seawater' (35,000 mg/L or greater). Sources can also be labeled as 'fresh/brackish' or 'brackish/saline', if a combination of the salinity types is appropriate.

Region C Source Water Balance (Availability - WUG Supply)

SURFACE WATER SOURCE TYPE				SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY*	2020	2030	2040	2050	2060	2070
TRINITY LIVESTOCK LOCAL SUPPLY	FANNIN	TRINITY	FRESH	0	0	0	0	0	0
TRINITY LIVESTOCK LOCAL SUPPLY	FREESTONE	TRINITY	FRESH	0	0	0	0	0	0
TRINITY LIVESTOCK LOCAL SUPPLY	GRAYSON	TRINITY	FRESH	0	0	0	0	0	0
TRINITY LIVESTOCK LOCAL SUPPLY	HENDERSON	TRINITY	FRESH	0	0	0	0	0	0
TRINITY LIVESTOCK LOCAL SUPPLY	JACK	TRINITY	FRESH	0	0	0	0	0	0
TRINITY LIVESTOCK LOCAL SUPPLY	KAUFMAN	TRINITY	FRESH	0	0	0	0	0	0
TRINITY LIVESTOCK LOCAL SUPPLY	NAVARRO	TRINITY	FRESH	0	0	0	0	0	0
TRINITY LIVESTOCK LOCAL SUPPLY	PARKER	TRINITY	FRESH	0	0	0	0	0	0
TRINITY LIVESTOCK LOCAL SUPPLY	ROCKWALL	TRINITY	FRESH	0	0	0	0	0	0
TRINITY LIVESTOCK LOCAL SUPPLY	TARRANT	TRINITY	FRESH	0	0	0	0	0	0
TRINITY LIVESTOCK LOCAL SUPPLY	WISE	TRINITY	FRESH	0	0	0	0	0	0
TRINITY OTHER LOCAL SUPPLY	DALLAS	TRINITY	FRESH	0	0	0	0	0	0
TRINITY OTHER LOCAL SUPPLY	DENTON	TRINITY	FRESH	0	0	0	0	0	0
TRINITY OTHER LOCAL SUPPLY	FREESTONE	TRINITY	FRESH	0	0	0	0	0	0
TRINITY OTHER LOCAL SUPPLY	JACK	TRINITY	FRESH	0	0	0	0	0	0
TRINITY OTHER LOCAL SUPPLY	KAUFMAN	TRINITY	FRESH	0	0	0	0	0	0
TRINITY OTHER LOCAL SUPPLY	PARKER	TRINITY	FRESH	0	0	0	0	0	0
TRINITY OTHER LOCAL SUPPLY	TARRANT	TRINITY	FRESH	0	0	0	0	0	0
TRINITY RUN-OF-RIVER	COLLIN	TRINITY	FRESH	0	0	0	0	0	0
TRINITY RUN-OF-RIVER	DALLAS	TRINITY	FRESH	0	0	0	0	0	0
TRINITY RUN-OF-RIVER	ELLIS	TRINITY	FRESH	0	0	0	0	0	0
TRINITY RUN-OF-RIVER	FREESTONE	TRINITY	FRESH	0	0	0	0	0	0
TRINITY RUN-OF-RIVER	HENDERSON	TRINITY	FRESH	0	0	0	0	0	0
TRINITY RUN-OF-RIVER	JACK	TRINITY	FRESH	0	0	0	0	0	0
TRINITY RUN-OF-RIVER	KAUFMAN	TRINITY	FRESH	0	0	0	0	0	0
TRINITY RUN-OF-RIVER	NAVARRO	TRINITY	FRESH	252	252	252	252	252	252
TRINITY RUN-OF-RIVER	PARKER	TRINITY	FRESH	0	0	0	0	0	0
TRINITY RUN-OF-RIVER	TARRANT	TRINITY	FRESH	0	0	0	0	0	0
TRINITY RUN-OF-RIVER	WISE	TRINITY	FRESH	0	0	0	0	0	0
TRWD LAKE/RESERVOIR SYSTEM	RESERVOIR	TRINITY	FRESH	0	0	0	0	0	0
WAXAHACHIE LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	0	0	0	0	0	0
WEATHERFORD LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	0	0	0	0	0	0
WHITE ROCK LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	0	0	0	0	0	0
SURFACE WATER TOTAL SOURCE WATER BALANCE				**185,729**	**184,440**	**183,178**	**182,065**	**180,969**	**179,926**

REGION C TOTAL SOURCE WATER BALANCE	**281,628**	**277,188**	**273,131**	**268,291**	**264,390**	**265,705**

*Salinity field indicates whether the source availability is considered 'fresh' (less than 1,000 mg/L), 'brackish' (1,000 to 10,000 mg/L), 'saline' (10,001 mg/L to 34,999 mg/L), or 'seawater' (35,000 mg/L or greater). Sources can also be labeled as 'fresh/brackish' or 'brackish/saline', if a combination of the salinity types is appropriate.

TWDB DB22 Report #10a – WUG Data Comparison to 2016 RWP

Region C Water User Group (WUG) Data Comparison to 2016 Regional Water Plan (RWP)*

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
COLLIN COUNTY | COUNTY-OTHER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,525	877	-42.5%	7,074	1,477	-79.1%
PROJECTED DEMAND TOTAL	1,613	627	-61.1%	11,885	1,835	-84.6%
WATER SUPPLY NEEDS TOTAL	88	0	-100.0%	4,811	358	-92.6%
COLLIN COUNTY | IRRIGATION WUG TYPE						
EXISTING WUG SUPPLY TOTAL	5,538	5,745	3.7%	4,966	4,987	0.4%
PROJECTED DEMAND TOTAL	2,995	3,340	11.5%	2,995	3,340	11.5%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
COLLIN COUNTY | LIVESTOCK WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,002	1,002	0.0%	1,002	1,002	0.0%
PROJECTED DEMAND TOTAL	860	912	6.0%	860	912	6.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
COLLIN COUNTY | MANUFACTURING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	3,223	2,136	-33.7%	3,245	1,580	-51.3%
PROJECTED DEMAND TOTAL	3,456	2,246	-35.0%	5,547	2,602	-53.1%
WATER SUPPLY NEEDS TOTAL	233	110	-52.8%	2,302	1,022	-55.6%
COLLIN COUNTY | MUNICIPAL WUG TYPE						
EXISTING WUG SUPPLY TOTAL	196,112	234,326	19.5%	190,579	242,719	27.4%
PROJECTED DEMAND TOTAL	214,383	235,340	9.8%	390,724	459,981	17.7%
WATER SUPPLY NEEDS TOTAL	18,488	1,591	-91.4%	200,236	217,263	8.5%
COLLIN COUNTY | STEAM ELECTRIC POWER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	659	40	-93.9%	418	40	-90.4%
PROJECTED DEMAND TOTAL	715	40	-94.4%	724	40	-94.5%
WATER SUPPLY NEEDS TOTAL	56	0	-100.0%	306	0	-100.0%
COOKE COUNTY | COUNTY-OTHER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,123	864	-23.1%	2,412	1,830	-24.1%
PROJECTED DEMAND TOTAL	1,123	743	-33.8%	3,767	3,561	-5.5%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	1,355	1,731	27.7%
COOKE COUNTY | IRRIGATION WUG TYPE						
EXISTING WUG SUPPLY TOTAL	234	1,100	370.1%	234	477	103.8%
PROJECTED DEMAND TOTAL	300	1,100	266.7%	300	1,100	266.7%
WATER SUPPLY NEEDS TOTAL	66	0	-100.0%	66	623	843.9%
COOKE COUNTY | LIVESTOCK WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,554	1,427	-8.2%	1,554	1,427	-8.2%
PROJECTED DEMAND TOTAL	1,494	1,330	-11.0%	1,494	1,330	-11.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
COOKE COUNTY | MANUFACTURING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	226	116	-48.7%	158	39	-75.3%
PROJECTED DEMAND TOTAL	226	116	-48.7%	336	128	-61.9%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	178	89	-50.0%
COOKE COUNTY | MINING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	800	1,000	25.0%	300	450	50.0%
PROJECTED DEMAND TOTAL	1,583	1,583	0.0%	586	586	0.0%

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Region C Water User Group (WUG) Data Comparison to 2016 Regional Water Plan (RWP)*

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
WATER SUPPLY NEEDS TOTAL	783	583	-25.5%	286	136	-52.4%
COOKE COUNTY | MUNICIPAL WUG TYPE						
EXISTING WUG SUPPLY TOTAL	5,146	5,525	7.4%	5,772	5,708	-1.1%
PROJECTED DEMAND TOTAL	4,999	5,349	7.0%	8,883	9,127	2.7%
WATER SUPPLY NEEDS TOTAL	0	3	100.0%	3,132	3,434	9.6%
COOKE COUNTY | STEAM ELECTRIC POWER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	0	5	100.0%	0	5	100.0%
PROJECTED DEMAND TOTAL	0	5	100.0%	0	5	100.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
DALLAS COUNTY | COUNTY-OTHER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	3,098	2,174	-29.8%	1,618	1,711	5.7%
PROJECTED DEMAND TOTAL	3,106	2,229	-28.2%	2,413	2,335	-3.2%
WATER SUPPLY NEEDS TOTAL	8	55	587.5%	795	624	-21.5%
DALLAS COUNTY | IRRIGATION WUG TYPE						
EXISTING WUG SUPPLY TOTAL	12,665	14,216	12.2%	12,665	13,530	6.8%
PROJECTED DEMAND TOTAL	9,134	10,122	10.8%	9,134	10,122	10.8%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
DALLAS COUNTY | LIVESTOCK WUG TYPE						
EXISTING WUG SUPPLY TOTAL	961	856	-10.9%	961	856	-10.9%
PROJECTED DEMAND TOTAL	854	758	-11.2%	854	758	-11.2%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
DALLAS COUNTY | MANUFACTURING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	35,744	21,267	-40.5%	30,623	16,878	-44.9%
PROJECTED DEMAND TOTAL	37,791	21,834	-42.2%	47,265	23,073	-51.2%
WATER SUPPLY NEEDS TOTAL	2,047	567	-72.3%	16,642	6,195	-62.8%
DALLAS COUNTY | MINING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	2,989	3,578	19.7%	2,099	3,578	70.5%
PROJECTED DEMAND TOTAL	3,038	3,038	0.0%	1,916	1,916	0.0%
WATER SUPPLY NEEDS TOTAL	49	0	-100.0%	0	0	0.0%
DALLAS COUNTY | MUNICIPAL WUG TYPE						
EXISTING WUG SUPPLY TOTAL	478,295	497,289	4.0%	447,344	490,452	9.6%
PROJECTED DEMAND TOTAL	518,862	524,177	1.0%	709,405	721,893	1.8%
WATER SUPPLY NEEDS TOTAL	40,570	26,888	-33.7%	262,061	231,441	-11.7%
DALLAS COUNTY | STEAM ELECTRIC POWER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	11,536	7,731	-33.0%	9,949	7,465	-25.0%
PROJECTED DEMAND TOTAL	5,000	1,065	-78.7%	11,066	1,065	-90.4%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	1,117	0	-100.0%
DENTON COUNTY | COUNTY-OTHER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	4,844	2,403	-50.4%	9,733	5,897	-39.4%
PROJECTED DEMAND TOTAL	3,785	1,199	-68.3%	19,480	13,671	-29.8%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	9,747	7,774	-20.2%
DENTON COUNTY | IRRIGATION WUG TYPE						
EXISTING WUG SUPPLY TOTAL	3,132	4,882	55.9%	2,989	4,462	49.3%
PROJECTED DEMAND TOTAL	2,137	3,003	40.5%	2,137	3,003	40.5%

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Region C Water User Group (WUG) Data Comparison to 2016 Regional Water Plan (RWP)*

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
DENTON COUNTY | LIVESTOCK WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,352	1,352	0.0%	1,352	1,352	0.0%
PROJECTED DEMAND TOTAL	1,045	769	-26.4%	1,045	769	-26.4%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
DENTON COUNTY | MANUFACTURING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,330	369	-72.3%	814	156	-80.8%
PROJECTED DEMAND TOTAL	1,446	374	-74.1%	2,383	440	-81.5%
WATER SUPPLY NEEDS TOTAL	116	5	-95.7%	1,569	284	-81.9%
DENTON COUNTY | MINING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	4,326	4,326	0.0%	3,604	4,679	29.8%
PROJECTED DEMAND TOTAL	4,326	4,326	0.0%	6,291	6,291	0.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	2,687	1,612	-40.0%
DENTON COUNTY | MUNICIPAL WUG TYPE						
EXISTING WUG SUPPLY TOTAL	160,815	169,885	5.6%	157,638	162,988	3.4%
PROJECTED DEMAND TOTAL	172,325	173,911	0.9%	359,918	369,619	2.7%
WATER SUPPLY NEEDS TOTAL	12,125	4,373	-63.9%	202,280	206,631	2.2%
DENTON COUNTY | STEAM ELECTRIC POWER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	646	173	-73.2%	1,088	173	-84.1%
PROJECTED DEMAND TOTAL	646	173	-73.2%	1,088	173	-84.1%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
ELLIS COUNTY | COUNTY-OTHER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	2,156	693	-67.9%	2,699	4,575	69.5%
PROJECTED DEMAND TOTAL	745	414	-44.4%	11,645	9,576	-17.8%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	8,946	5,001	-44.1%
ELLIS COUNTY | IRRIGATION WUG TYPE						
EXISTING WUG SUPPLY TOTAL	572	619	8.2%	572	619	8.2%
PROJECTED DEMAND TOTAL	572	1,367	139.0%	572	1,367	139.0%
WATER SUPPLY NEEDS TOTAL	0	748	100.0%	0	748	100.0%
ELLIS COUNTY | LIVESTOCK WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,209	1,140	-5.7%	1,209	1,140	-5.7%
PROJECTED DEMAND TOTAL	905	1,140	26.0%	905	1,140	26.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
ELLIS COUNTY | MANUFACTURING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	6,247	4,691	-24.9%	4,337	3,126	-27.9%
PROJECTED DEMAND TOTAL	5,247	5,414	3.2%	5,716	6,549	14.6%
WATER SUPPLY NEEDS TOTAL	0	723	100.0%	1,379	3,423	148.2%
ELLIS COUNTY | MINING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	213	931	337.1%	213	55	-74.2%
PROJECTED DEMAND TOTAL	147	931	533.3%	55	55	0.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
ELLIS COUNTY | MUNICIPAL WUG TYPE						
EXISTING WUG SUPPLY TOTAL	32,708	32,392	-1.0%	44,179	47,769	8.1%
PROJECTED DEMAND TOTAL	31,941	35,174	10.1%	97,494	99,885	2.5%

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Region C Water User Group (WUG) Data Comparison to 2016 Regional Water Plan (RWP)*

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
WATER SUPPLY NEEDS TOTAL	1,611	3,343	107.5%	53,565	52,314	-2.3%
ELLIS COUNTY | STEAM ELECTRIC POWER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,620	762	-53.0%	1,122	680	-39.4%
PROJECTED DEMAND TOTAL	698	901	29.1%	10,786	901	-91.6%
WATER SUPPLY NEEDS TOTAL	0	139	100.0%	9,664	221	-97.7%
FANNIN COUNTY | COUNTY-OTHER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,466	663	-54.8%	1,394	663	-52.4%
PROJECTED DEMAND TOTAL	1,466	663	-54.8%	6,503	3,866	-40.6%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	5,109	3,203	-37.3%
FANNIN COUNTY | IRRIGATION WUG TYPE						
EXISTING WUG SUPPLY TOTAL	8,302	5,359	-35.4%	8,302	5,359	-35.4%
PROJECTED DEMAND TOTAL	8,301	11,553	39.2%	8,301	11,553	39.2%
WATER SUPPLY NEEDS TOTAL	0	6,194	100.0%	0	6,194	100.0%
FANNIN COUNTY | LIVESTOCK WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,668	1,668	0.0%	1,668	1,668	0.0%
PROJECTED DEMAND TOTAL	1,668	1,411	-15.4%	1,668	1,411	-15.4%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
FANNIN COUNTY | MANUFACTURING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	88	12	-86.4%	55	4	-92.7%
PROJECTED DEMAND TOTAL	88	12	-86.4%	135	12	-91.1%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	80	8	-90.0%
FANNIN COUNTY | MINING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	72	72	0.0%	72	72	0.0%
PROJECTED DEMAND TOTAL	128	574	348.4%	128	128	0.0%
WATER SUPPLY NEEDS TOTAL	56	502	796.4%	56	56	0.0%
FANNIN COUNTY | MUNICIPAL WUG TYPE						
EXISTING WUG SUPPLY TOTAL	3,574	4,746	32.8%	4,188	5,824	39.1%
PROJECTED DEMAND TOTAL	3,503	4,495	28.3%	10,503	13,517	28.7%
WATER SUPPLY NEEDS TOTAL	0	373	100.0%	6,319	8,049	27.4%
FANNIN COUNTY | STEAM ELECTRIC POWER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	6,563	0	-100.0%	6,563	0	-100.0%
PROJECTED DEMAND TOTAL	6,363	0	-100.0%	13,775	0	-100.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	7,212	0	-100.0%
FREESTONE COUNTY | COUNTY-OTHER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,010	931	-7.8%	1,078	1,084	0.6%
PROJECTED DEMAND TOTAL	1,208	422	-65.1%	4,644	2,716	-41.5%
WATER SUPPLY NEEDS TOTAL	198	0	-100.0%	3,566	1,632	-54.2%
FREESTONE COUNTY | IRRIGATION WUG TYPE						
EXISTING WUG SUPPLY TOTAL	385	700	81.8%	385	700	81.8%
PROJECTED DEMAND TOTAL	298	569	90.9%	298	569	90.9%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
FREESTONE COUNTY | LIVESTOCK WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,852	1,177	-36.4%	1,852	1,177	-36.4%
PROJECTED DEMAND TOTAL	1,852	1,207	-34.8%	1,852	1,207	-34.8%

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Region C Water User Group (WUG) Data Comparison to 2016 Regional Water Plan (RWP)*

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
WATER SUPPLY NEEDS TOTAL	0	30	100.0%	0	30	100.0%
FREESTONE COUNTY | MANUFACTURING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	100	19	-81.0%	142	19	-86.6%
PROJECTED DEMAND TOTAL	100	19	-81.0%	142	19	-86.6%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
FREESTONE COUNTY | MINING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,012	1,012	0.0%	1,012	1,012	0.0%
PROJECTED DEMAND TOTAL	5,347	5,347	0.0%	5,582	5,582	0.0%
WATER SUPPLY NEEDS TOTAL	4,335	4,335	0.0%	4,570	4,570	0.0%
FREESTONE COUNTY | MUNICIPAL WUG TYPE						
EXISTING WUG SUPPLY TOTAL	2,077	2,868	38.1%	1,887	2,877	52.5%
PROJECTED DEMAND TOTAL	1,268	2,556	101.6%	3,267	6,423	96.6%
WATER SUPPLY NEEDS TOTAL	11	75	581.8%	1,380	3,553	157.5%
FREESTONE COUNTY | STEAM ELECTRIC POWER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	27,748	27,383	-1.3%	24,828	25,903	4.3%
PROJECTED DEMAND TOTAL	25,000	34,432	37.7%	40,175	34,432	-14.3%
WATER SUPPLY NEEDS TOTAL	0	7,049	100.0%	15,347	8,529	-44.4%
GRAYSON COUNTY | COUNTY-OTHER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	6,913	1,139	-83.5%	5,317	916	-82.8%
PROJECTED DEMAND TOTAL	2,746	747	-72.8%	5,801	2,356	-59.4%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	484	1,440	197.5%
GRAYSON COUNTY | IRRIGATION WUG TYPE						
EXISTING WUG SUPPLY TOTAL	4,909	4,477	-8.8%	4,909	4,477	-8.8%
PROJECTED DEMAND TOTAL	2,438	4,477	83.6%	3,519	4,477	27.2%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
GRAYSON COUNTY | LIVESTOCK WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,539	1,394	-9.4%	1,539	1,394	-9.4%
PROJECTED DEMAND TOTAL	1,458	1,143	-21.6%	1,458	1,143	-21.6%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
GRAYSON COUNTY | MANUFACTURING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	5,630	3,406	-39.5%	4,443	2,305	-48.1%
PROJECTED DEMAND TOTAL	4,905	2,951	-39.8%	7,147	3,009	-57.9%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	2,704	704	-74.0%
GRAYSON COUNTY | MINING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	122	212	73.8%	122	212	73.8%
PROJECTED DEMAND TOTAL	79	312	294.9%	163	163	0.0%
WATER SUPPLY NEEDS TOTAL	0	100	100.0%	41	0	-100.0%
GRAYSON COUNTY | MUNICIPAL WUG TYPE						
EXISTING WUG SUPPLY TOTAL	24,075	24,648	2.4%	27,965	30,725	9.9%
PROJECTED DEMAND TOTAL	22,834	25,175	10.3%	54,318	56,723	4.4%
WATER SUPPLY NEEDS TOTAL	86	1,187	1280.2%	26,467	26,056	-1.6%
GRAYSON COUNTY | STEAM ELECTRIC POWER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	6,163	4,387	-28.8%	6,163	4,387	-28.8%
PROJECTED DEMAND TOTAL	6,163	4,387	-28.8%	12,711	4,387	-65.5%

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Region C Water User Group (WUG) Data Comparison to 2016 Regional Water Plan (RWP)*

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	6,548	0	-100.0%
HENDERSON COUNTY | COUNTY-OTHER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	314	304	-3.2%	116	98	-15.5%
PROJECTED DEMAND TOTAL	314	304	-3.2%	147	113	-23.1%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	31	15	-51.6%
HENDERSON COUNTY | IRRIGATION WUG TYPE						
EXISTING WUG SUPPLY TOTAL	0	582	100.0%	0	582	100.0%
PROJECTED DEMAND TOTAL	0	582	100.0%	0	582	100.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
HENDERSON COUNTY | LIVESTOCK WUG TYPE						
EXISTING WUG SUPPLY TOTAL	854	854	0.0%	854	854	0.0%
PROJECTED DEMAND TOTAL	490	1,261	157.3%	490	1,261	157.3%
WATER SUPPLY NEEDS TOTAL	0	407	100.0%	0	407	100.0%
HENDERSON COUNTY | MANUFACTURING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	743	888	19.5%	582	711	22.2%
PROJECTED DEMAND TOTAL	575	806	40.2%	671	985	46.8%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	89	274	207.9%
HENDERSON COUNTY | MINING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	607	564	-7.1%	528	538	1.9%
PROJECTED DEMAND TOTAL	607	434	-28.5%	607	469	-22.7%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	79	0	-100.0%
HENDERSON COUNTY | MUNICIPAL WUG TYPE						
EXISTING WUG SUPPLY TOTAL	7,289	7,537	3.4%	9,726	9,987	2.7%
PROJECTED DEMAND TOTAL	7,476	7,230	-3.3%	19,487	17,728	-9.0%
WATER SUPPLY NEEDS TOTAL	896	458	-48.9%	10,100	8,063	-20.2%
HENDERSON COUNTY | STEAM ELECTRIC POWER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	3,050	3,709	21.6%	3,050	3,537	16.0%
PROJECTED DEMAND TOTAL	4,000	3,709	-7.3%	11,000	3,709	-66.3%
WATER SUPPLY NEEDS TOTAL	950	0	-100.0%	7,950	172	-97.8%
JACK COUNTY | COUNTY-OTHER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	495	515	4.0%	495	515	4.0%
PROJECTED DEMAND TOTAL	482	545	13.1%	512	580	13.3%
WATER SUPPLY NEEDS TOTAL	0	30	100.0%	17	65	282.4%
JACK COUNTY | IRRIGATION WUG TYPE						
EXISTING WUG SUPPLY TOTAL	192	192	0.0%	189	189	0.0%
PROJECTED DEMAND TOTAL	101	98	-3.0%	101	98	-3.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
JACK COUNTY | LIVESTOCK WUG TYPE						
EXISTING WUG SUPPLY TOTAL	932	932	0.0%	932	932	0.0%
PROJECTED DEMAND TOTAL	932	785	-15.8%	932	785	-15.8%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
JACK COUNTY | MANUFACTURING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	2	1	-50.0%	2	1	-50.0%
PROJECTED DEMAND TOTAL	2	1	-50.0%	2	1	-50.0%

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Region C Water User Group (WUG) Data Comparison to 2016 Regional Water Plan (RWP)*

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
JACK COUNTY | MINING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	574	3,264	468.6%	574	1,406	144.9%
PROJECTED DEMAND TOTAL	1,555	3,396	118.4%	1,862	1,862	0.0%
WATER SUPPLY NEEDS TOTAL	981	132	-86.5%	1,288	456	-64.6%
JACK COUNTY | MUNICIPAL WUG TYPE						
EXISTING WUG SUPPLY TOTAL	828	682	-17.6%	828	733	-11.5%
PROJECTED DEMAND TOTAL	761	682	-10.4%	825	741	-10.2%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	7	8	14.3%
JACK COUNTY | STEAM ELECTRIC POWER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	2,665	3,765	41.3%	2,119	2,783	31.3%
PROJECTED DEMAND TOTAL	2,665	3,772	41.5%	3,745	3,772	0.7%
WATER SUPPLY NEEDS TOTAL	0	7	100.0%	1,626	989	-39.2%
KAUFMAN COUNTY | COUNTY-OTHER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,608	175	-89.1%	5,175	1,898	-63.3%
PROJECTED DEMAND TOTAL	1,742	172	-90.1%	9,310	3,220	-65.4%
WATER SUPPLY NEEDS TOTAL	134	0	-100.0%	4,135	1,322	-68.0%
KAUFMAN COUNTY | IRRIGATION WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,125	843	-25.1%	1,151	1,023	-11.1%
PROJECTED DEMAND TOTAL	179	285	59.2%	179	285	59.2%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
KAUFMAN COUNTY | LIVESTOCK WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,722	1,722	0.0%	1,722	1,722	0.0%
PROJECTED DEMAND TOTAL	1,717	1,570	-8.6%	1,717	1,570	-8.6%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
KAUFMAN COUNTY | MANUFACTURING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,238	1,043	-15.8%	1,053	782	-25.7%
PROJECTED DEMAND TOTAL	813	946	16.4%	1,134	1,109	-2.2%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	81	327	303.7%
KAUFMAN COUNTY | MINING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	436	676	55.0%	436	676	55.0%
PROJECTED DEMAND TOTAL	296	296	0.0%	951	951	0.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	515	275	-46.6%
KAUFMAN COUNTY | MUNICIPAL WUG TYPE						
EXISTING WUG SUPPLY TOTAL	14,731	18,453	25.3%	24,416	32,886	34.7%
PROJECTED DEMAND TOTAL	16,457	19,370	17.7%	57,705	68,938	19.5%
WATER SUPPLY NEEDS TOTAL	1,726	919	-46.8%	33,382	36,145	8.3%
KAUFMAN COUNTY | STEAM ELECTRIC POWER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	10,012	9,793	-2.2%	9,626	9,362	-2.7%
PROJECTED DEMAND TOTAL	8,000	9,793	22.4%	8,000	9,793	22.4%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	431	100.0%
NAVARRO COUNTY | COUNTY-OTHER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	623	461	-26.0%	1,657	1,337	-19.3%
PROJECTED DEMAND TOTAL	623	261	-58.1%	3,685	1,579	-57.2%

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Region C Water User Group (WUG) Data Comparison to 2016 Regional Water Plan (RWP)*

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	2,028	242	-88.1%
NAVARRO COUNTY | IRRIGATION WUG TYPE						
EXISTING WUG SUPPLY TOTAL	226	226	0.0%	226	226	0.0%
PROJECTED DEMAND TOTAL	58	75	29.3%	58	75	29.3%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
NAVARRO COUNTY | LIVESTOCK WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,622	1,691	4.3%	1,622	1,691	4.3%
PROJECTED DEMAND TOTAL	1,544	1,691	9.5%	1,544	1,691	9.5%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
NAVARRO COUNTY | MANUFACTURING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,114	894	-19.7%	730	761	4.2%
PROJECTED DEMAND TOTAL	1,114	894	-19.7%	1,789	1,062	-40.6%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	1,059	301	-71.6%
NAVARRO COUNTY | MINING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	2,076	976	-53.0%	2,076	976	-53.0%
PROJECTED DEMAND TOTAL	883	1,193	35.1%	2,076	2,076	0.0%
WATER SUPPLY NEEDS TOTAL	0	217	100.0%	0	1,100	100.0%
NAVARRO COUNTY | MUNICIPAL WUG TYPE						
EXISTING WUG SUPPLY TOTAL	8,694	8,972	3.2%	5,353	9,986	86.5%
PROJECTED DEMAND TOTAL	8,461	8,913	5.3%	12,522	13,891	10.9%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	7,177	3,922	-45.4%
NAVARRO COUNTY | STEAM ELECTRIC POWER WUG TYPE						
PROJECTED DEMAND TOTAL	8,000	0	-100.0%	13,440	0	-100.0%
WATER SUPPLY NEEDS TOTAL	8,000	0	-100.0%	13,440	0	-100.0%
PARKER COUNTY | COUNTY-OTHER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	7,532	6,320	-16.1%	7,606	6,320	-16.9%
PROJECTED DEMAND TOTAL	7,027	6,614	-5.9%	22,058	17,770	-19.4%
WATER SUPPLY NEEDS TOTAL	0	294	100.0%	14,452	11,450	-20.8%
PARKER COUNTY | IRRIGATION WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,095	1,065	-2.7%	1,095	1,161	6.0%
PROJECTED DEMAND TOTAL	490	773	57.8%	490	773	57.8%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
PARKER COUNTY | LIVESTOCK WUG TYPE						
EXISTING WUG SUPPLY TOTAL	2,151	2,151	0.0%	2,151	2,151	0.0%
PROJECTED DEMAND TOTAL	1,544	1,634	5.8%	1,544	1,634	5.8%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
PARKER COUNTY | MANUFACTURING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	978	145	-85.2%	600	125	-79.2%
PROJECTED DEMAND TOTAL	638	87	-86.4%	1,095	103	-90.6%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	495	0	-100.0%
PARKER COUNTY | MINING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	4,408	2,815	-36.1%	4,364	2,771	-36.5%
PROJECTED DEMAND TOTAL	3,182	3,182	0.0%	4,364	4,364	0.0%
WATER SUPPLY NEEDS TOTAL	0	367	100.0%	0	1,593	100.0%

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	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
PARKER COUNTY | MUNICIPAL WUG TYPE						
EXISTING WUG SUPPLY TOTAL	21,158	24,459	15.6%	33,475	23,603	-29.5%
PROJECTED DEMAND TOTAL	23,644	25,387	7.4%	68,440	69,272	1.2%
WATER SUPPLY NEEDS TOTAL	3,349	1,659	-50.5%	36,714	45,689	24.4%
PARKER COUNTY | STEAM ELECTRIC POWER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	380	604	58.9%	172	604	251.2%
PROJECTED DEMAND TOTAL	260	604	132.3%	260	604	132.3%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	88	0	-100.0%
ROCKWALL COUNTY | COUNTY-OTHER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	523	401	-23.3%	1,814	565	-68.9%
PROJECTED DEMAND TOTAL	568	401	-29.4%	3,139	917	-70.8%
WATER SUPPLY NEEDS TOTAL	45	0	-100.0%	1,325	352	-73.4%
ROCKWALL COUNTY | IRRIGATION WUG TYPE						
EXISTING WUG SUPPLY TOTAL	361	1,006	178.7%	273	913	234.4%
PROJECTED DEMAND TOTAL	374	234	-37.4%	374	234	-37.4%
WATER SUPPLY NEEDS TOTAL	13	0	-100.0%	101	0	-100.0%
ROCKWALL COUNTY | LIVESTOCK WUG TYPE						
EXISTING WUG SUPPLY TOTAL	117	117	0.0%	117	117	0.0%
PROJECTED DEMAND TOTAL	117	111	-5.1%	117	111	-5.1%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
ROCKWALL COUNTY | MANUFACTURING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	32	30	-6.3%	35	23	-34.3%
PROJECTED DEMAND TOTAL	35	31	-11.4%	61	36	-41.0%
WATER SUPPLY NEEDS TOTAL	3	1	-66.7%	26	13	-50.0%
ROCKWALL COUNTY | MUNICIPAL WUG TYPE						
EXISTING WUG SUPPLY TOTAL	17,751	22,233	25.2%	28,490	34,248	20.2%
PROJECTED DEMAND TOTAL	19,325	22,253	15.2%	49,383	56,308	14.0%
WATER SUPPLY NEEDS TOTAL	1,584	20	-98.7%	20,893	22,060	5.6%
TARRANT COUNTY | COUNTY-OTHER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	7,923	7,163	-9.6%	10,739	12,908	20.2%
PROJECTED DEMAND TOTAL	8,008	7,212	-9.9%	19,178	17,316	-9.7%
WATER SUPPLY NEEDS TOTAL	85	49	-42.4%	8,439	4,408	-47.8%
TARRANT COUNTY | IRRIGATION WUG TYPE						
EXISTING WUG SUPPLY TOTAL	6,694	7,113	6.3%	6,112	6,698	9.6%
PROJECTED DEMAND TOTAL	4,466	4,926	10.3%	4,466	4,926	10.3%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
TARRANT COUNTY | LIVESTOCK WUG TYPE						
EXISTING WUG SUPPLY TOTAL	723	552	-23.7%	723	552	-23.7%
PROJECTED DEMAND TOTAL	723	627	-13.3%	723	627	-13.3%
WATER SUPPLY NEEDS TOTAL	0	75	100.0%	0	75	100.0%
TARRANT COUNTY | MANUFACTURING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	21,015	12,169	-42.1%	19,310	9,762	-49.4%
PROJECTED DEMAND TOTAL	20,444	12,197	-40.3%	35,210	13,301	-62.2%
WATER SUPPLY NEEDS TOTAL	0	28	100.0%	15,900	3,539	-77.7%

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Region C Water User Group (WUG) Data Comparison to 2016 Regional Water Plan (RWP)*

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
TARRANT COUNTY | MINING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	7,709	11,535	49.6%	1,518	6,967	359.0%
PROJECTED DEMAND TOTAL	7,367	11,535	56.6%	1,464	1,464	0.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
TARRANT COUNTY | MUNICIPAL WUG TYPE						
EXISTING WUG SUPPLY TOTAL	365,118	378,781	3.7%	314,715	286,827	-8.9%
PROJECTED DEMAND TOTAL	388,462	389,396	0.2%	593,358	595,067	0.3%
WATER SUPPLY NEEDS TOTAL	24,045	10,873	-54.8%	278,933	308,345	10.5%
TARRANT COUNTY | STEAM ELECTRIC POWER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	3,407	1,157	-66.0%	2,344	2,162	-7.8%
PROJECTED DEMAND TOTAL	2,448	1,157	-52.7%	5,000	4,948	-1.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	2,656	2,786	4.9%
WISE COUNTY | COUNTY-OTHER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	3,200	4,043	26.3%	3,418	5,278	54.4%
PROJECTED DEMAND TOTAL	3,667	4,043	10.3%	7,794	6,680	-14.3%
WATER SUPPLY NEEDS TOTAL	467	0	-100.0%	4,376	1,402	-68.0%
WISE COUNTY | IRRIGATION WUG TYPE						
EXISTING WUG SUPPLY TOTAL	943	943	0.0%	943	943	0.0%
PROJECTED DEMAND TOTAL	1,324	1,406	6.2%	1,324	1,406	6.2%
WATER SUPPLY NEEDS TOTAL	381	463	21.5%	381	463	21.5%
WISE COUNTY | LIVESTOCK WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,575	1,575	0.0%	1,575	1,575	0.0%
PROJECTED DEMAND TOTAL	1,575	1,198	-23.9%	1,575	1,198	-23.9%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
WISE COUNTY | MANUFACTURING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	2,410	295	-87.8%	2,347	287	-87.8%
PROJECTED DEMAND TOTAL	2,660	454	-82.9%	4,206	501	-88.1%
WATER SUPPLY NEEDS TOTAL	250	159	-36.4%	1,859	214	-88.5%
WISE COUNTY | MINING WUG TYPE						
EXISTING WUG SUPPLY TOTAL	11,445	10,320	-9.8%	11,260	11,096	-1.5%
PROJECTED DEMAND TOTAL	10,320	10,320	0.0%	17,694	17,694	0.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	6,434	6,598	2.5%
WISE COUNTY | MUNICIPAL WUG TYPE						
EXISTING WUG SUPPLY TOTAL	7,445	8,000	7.5%	11,328	9,312	-17.8%
PROJECTED DEMAND TOTAL	8,606	8,651	0.5%	26,640	26,625	-0.1%
WATER SUPPLY NEEDS TOTAL	1,202	665	-44.7%	15,694	17,313	10.3%
WISE COUNTY | STEAM ELECTRIC POWER WUG TYPE						
EXISTING WUG SUPPLY TOTAL	1,494	2,894	93.7%	2,078	2,135	2.7%
PROJECTED DEMAND TOTAL	1,494	2,894	93.7%	3,673	2,894	-21.2%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	1,595	759	-52.4%
REGION C						
EXISTING WUG SUPPLY TOTAL	1,650,227	1,689,765	2.4%	1,602,246	1,639,955	2.4%
PROJECTED DEMAND TOTAL	1,723,325	1,733,893	0.6%	2,939,880	2,898,540	-1.4%
WATER SUPPLY NEEDS TOTAL	125,037	75,796	-39.4%	1,356,372	1,286,521	-5.1%

*WUG supplies and projected demands are entered for each of a WUG's region-county-basin divisions. The needs shown in the WUG Data Comparison to 2016 RWP report are calculated by first deducting the WUG split's projected demand from its total existing water supply volume. If the WUG split has a greater existing supply volume than projected demand in any given decade, this amount is considered a surplus volume. Before aggregating the difference between supplies and demands to the WUG county and category level, calculated surpluses are updated to zero so that only the WUGs with needs in the decade are included with the Needs totals.

TWDB DB22 Report #10b – Source Data Comparison to 2016 RWP

Region C Source Data Comparison to 2016 Regional Water Plan (RWP)

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
COLLIN COUNTY						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	4,613	10,070	118.3%	4,613	10,043	117.7%
REUSE AVAILABILITY TOTAL (acre-feet per year)	49,722	50,321	1.2%	74,186	118,085	59.2%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	1,605	1,410	-12.1%	1,605	1,410	-12.1%
COOKE COUNTY						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	7,004	11,346	62.0%	7,004	11,313	61.5%
REUSE AVAILABILITY TOTAL (acre-feet per year)	9	4	-55.6%	9	4	-55.6%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	1,424	1,187	-16.6%	1,424	1,187	-16.6%
DALLAS COUNTY						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	7,771	6,503	-16.3%	7,771	6,484	-16.6%
REUSE AVAILABILITY TOTAL (acre-feet per year)	56,488	133,390	136.1%	111,583	139,271	24.8%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	2,882	2,882	0.0%	2,882	2,882	0.0%
DENTON COUNTY						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	23,459	33,767	43.9%	23,459	33,675	43.5%
REUSE AVAILABILITY TOTAL (acre-feet per year)	42,074	51,518	22.4%	103,385	97,907	-5.3%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	725	1,988	174.2%	725	1,988	174.2%
ELLIS COUNTY						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	9,420	7,637	-18.9%	9,420	7,617	-19.1%
REUSE AVAILABILITY TOTAL (acre-feet per year)	4,388	4,398	0.2%	6,038	6,048	0.2%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	1,115	1,115	0.0%	1,115	1,115	0.0%
FANNIN COUNTY						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	6,916	9,944	43.8%	6,916	9,927	43.5%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	6,060	6,040	-0.3%	6,060	6,040	-0.3%
FREESTONE COUNTY						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	5,305	9,046	70.5%	5,223	9,898	89.5%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	1,291	1,291	0.0%	1,291	1,291	0.0%
GRAYSON COUNTY						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	21,487	18,278	-14.9%	21,487	18,229	-15.2%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	2,196	2,197	0.0%	2,196	2,197	0.0%
HENDERSON COUNTY						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	8,720	11,174	28.1%	8,720	10,893	24.9%
REUSE AVAILABILITY TOTAL (acre-feet per year)	32	32	0.0%	32	32	0.0%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	756	756	0.0%	756	756	0.0%
JACK COUNTY						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	934	934	0.0%	934	934	0.0%
REUSE AVAILABILITY TOTAL (acre-feet per year)	27	27	0.0%	24	24	0.0%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	1,282	1,282	0.0%	1,282	1,282	0.0%
KAUFMAN COUNTY						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	2,307	926	-59.9%	2,307	926	-59.9%
REUSE AVAILABILITY TOTAL (acre-feet per year)	9,526	9,734	2.2%	9,737	9,954	2.2%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	1,772	1,772	0.0%	1,772	1,772	0.0%
NAVARRO COUNTY						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	3,168	1,498	-52.7%	3,168	1,498	-52.7%
REUSE AVAILABILITY TOTAL (acre-feet per year)	100,465	100,465	0.0%	100,465	100,465	0.0%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	2,081	2,081	0.0%	2,081	2,081	0.0%
PARKER COUNTY						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	15,298	11,947	-21.9%	15,298	11,913	-22.1%
REUSE AVAILABILITY TOTAL (acre-feet per year)	110	2,383	2066.4%	110	3,600	3172.7%

Region C Source Data Comparison to 2016 Regional Water Plan (RWP)

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	2,214	2,181	-1.5%	2,214	2,181	-1.5%
RESERVOIR COUNTY						
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	1,258,038	1,311,558	4.3%	1,197,950	1,210,332	1.0%
ROCKWALL COUNTY						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	1,115	13	-98.8%	1,115	13	-98.8%
REUSE AVAILABILITY TOTAL (acre-feet per year)	672	672	0.0%	672	672	0.0%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	150	117	-22.0%	150	117	-22.0%
TARRANT COUNTY						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	19,379	19,105	-1.4%	19,379	19,053	-1.7%
REUSE AVAILABILITY TOTAL (acre-feet per year)	7,977	7,961	-0.2%	8,421	8,402	-0.2%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	2,292	2,292	0.0%	2,292	2,292	0.0%
WISE COUNTY						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	9,282	9,760	5.1%	9,282	9,734	4.9%
REUSE AVAILABILITY TOTAL (acre-feet per year)	6,261	6,261	0.0%	10,098	10,098	0.0%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	1,389	1,389	0.0%	1,389	1,389	0.0%
REGION C						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	146,178	161,948	10.8%	146,096	162,150	11.0%
REUSE AVAILABILITY TOTAL (acre-feet per year)	277,751	367,166	32.2%	424,760	494,562	16.4%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	1,287,272	1,341,538	4.2%	1,227,184	1,240,312	1.1%

APPENDIX B
WAM Modification Request and TWDB Approval

REGION C WATER PLANNING GROUP

Senate Bill One Fifth Round of Regional Water Planning - Texas Water Development Board

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April 13, 2018

Mr. Jeff Walker
Texas Water Development Board
1700 North Congress
Austin, Texas 78711-3231

RE: Request for Modifications to TCEQ Water Availability Models for Planning Purposes

Dear Mr. Walker:

Region C is located primarily within the Trinity and Red River Basins. Small areas of the region are in the Sabine, Sulphur and Brazos River Basins. Reservoirs in each of these river basins and the Neches River Basin supply water to Region C. As part of the 2021 planning efforts, the Full Authorization Water Availability Models (WAM[1]), also known as Run 3, for each of these basins will be updated to determine surface water availability in the region. To more accurately reflect the current conditions and operations of the region, the following hydrologic variances are requested.

Safe Yield

Based on requests from Tarrant Regional Water District (TRWD) and Dallas Water Utilities, Region C requests the use of safe yield for the allocation and distribution of surface water supplies from reservoirs owned and operated by these two wholesale water providers. The TRWD reservoirs include Lake Bridgeport, Eagle Mountain Lake, Lake Worth, Lake Benbrook, Lake Arlington, Richland-Chambers Reservoir and Cedar Creek Reservoir. Dallas reservoirs include Lake Ray Roberts, Lake Lewisville, Lake Grapevine, Lake Ray Hubbard, Lake Tawakoni, and Lake Fork. For some of these lakes, Dallas holds only a portion of the water rights. Supply for the other water right holders in these lakes will continue to be calculated using firm yield.

Safe yield is the amount of water that can be used during the critical drought while leaving a minimum supply in reserve. (For TRWD this minimum is a one-year supply; for Dallas this minimum is approximately nine months of supply.) Safe yield is consistent with the current operations of these two surface water suppliers and previous regional water planning. In accordance with the TWDB planning rules, firm yields will also be determined and reported in the plan.

Trinity River WAM

Multiple changes are requested for the Trinity WAM to account for current operating conditions, including:

- Subordination agreements,
- System operations, where appropriate, and
- Other corrections noted during review of the models.

[1] The term WAM refers throughout this document to TCEQ's Full Authorization Scenario, also known as Run 3, with modifications as proposed in this letter.

These changes are detailed in Attachment A.

Red River WAM

Water supplies from the Red River Basin include supplies from Lake Texoma, several small lakes, and run of the river supplies. Hydrologic variance requests for the Red River WAM include changes to Lake Texoma and associated water rights. These changes are detailed in Attachment A.

Sulphur River WAM

For the Sulphur River Basin, we propose to extend the Sulphur River WAM hydrology for Lake Chapman to include the new critical drought period for the reservoir.

Other WAMs

For the 2021 Region C Water Plan, we request to use the Neches and Sabine River WAM models as modified by the Region I Planning Group with the approval of the Texas Water Development Board. For supplies in the Brazos River Basin, we request to use the Brazos G WAM as modified by the Brazos G Planning Group with the approval of the Texas Water Development Board.

As intended by Senate Bill 1, the assessment of surface water availability in Region C will be conducted to accurately reflect water supplies that are available for use.

Please call me if you have any questions regarding our request.

Sincerely,

KEVIN WARD
Chair, Region C Water Planning Group

C: Tom Kula, Region C WPG Secretary
Connie Townsend, TWDB Project Manager
Amy Kaarlela, Freese and Nichols, Inc.

Attachment

Attachment A

Proposed Region C Modifications to the TCEQ WAMs

Attachment A – Proposed Region C Modifications to the TCEQ WAM

In accordance with the Texas Water Development Board's (TWDB) established procedures, surface water supplies will be determined using the TCEQ-approved Water Availability Models, Full Authorization Scenario, also known as Run 3 (WAM). The WAM models were developed for the purpose of reviewing and granting new surface water rights permits. The assumptions in the WAM models are based on the legal interpretation of water rights, and in some cases do not accurately reflect current operations. Availabilities for each water right are analyzed in priority date order, with water rights with the earliest permit date diverting first. WAM Run 3, which is the version used for planning, assumes full permitted diversions by all water rights and no return flows unless return flows are specifically required in the water right. Run 3 also does not include agreements or operations that are not reflected in the water right permits and does not account for reductions in reservoir capacities due to sediment accumulation. For planning purposes, adjustments were made to the WAMs to better reflect current and future surface water conditions in the region. Generally, changes to the WAMs included:

- Inclusion of subordination agreements not already included in the TCEQ WAM.
- Inclusion of system operation where appropriate.
- Use of minimum storage elevations for Corps reservoirs, where appropriate. Most Corps storage contracts specify a minimum elevation for water supply use.
- Other corrections as needed.

Specific adjustments to the WAMs to more accurately reflect the water rights and agreements for water supply sources in Region C are listed below.

Trinity River Basin WAM

The Trinity WAM proposed for use in the 2021 Region C Plan is a draft version of the WAM obtained from TCEQ in December 2017. This version of the WAM contains major amendments already granted by TCEQ which are not included in the model currently available (as of April 2018) on the TCEQ website, including

- 119,000 acre-feet per year of additional supply from Lake Ray Hubbard for the City of Dallas.
- Changing the trigger for overdrafting Lake Lavon in lieu of imported water. Before the amendment the trigger was Lake Ray Hubbard being full and spilling. The amendment moves this trigger to Lake Lavon being in the flood pool.

Other differences include a small recreation water right that is not used for water supply. All other WAMs are based on the most recent available model files.

Changes to the posted TCEQ WAM include:

- Modeling of Lake Jacksboro and Lost Creek Reservoir as a system. System modeling includes subordination of Lake Bridgeport.
- Modeling of Tarrant Regional Water District's West Fork reservoirs (Bridgeport, Eagle Mountain, and Worth) as a system.
- Inclusion of a minimum elevation for Lake Fairfield (305.0 ft. msl) for the firm yield calculation. This is the minimum operating elevation for the intake to the power plant according to the *1999 Volumetric Survey of Fairfield Lake* prepared by the Texas Water

Development Board. For yield calculation for other water rights, the full storage of Lake Fairfield is used.

- Modeling of Dallas' water rights in the Elm Fork of the Trinity River as a system with Lakes Grapevine, Lewisville and Ray Roberts.
- Revised modeling of Lake Lavon used for recent amendment applications for the North Texas Municipal Water District. It is our understanding that TCEQ will adopt this modeling when they update the WAM. One of these amendments is included in the draft model from TCEQ mentioned above, i.e. changing the overdraft trigger from Lake Ray Hubbard to Lake Lavon.
- Inclusion of the additional 119,000 acre-feet per year authorized for diversion from Lake Ray Hubbard
- Use of the full storage for Forest Grove Reservoir with an annual depletion limit of 16,348 acre-feet per year. The TCEQ WAM incorrectly uses the 16,348 acre-feet as the storage of the reservoir rather than the authorized storage of 20,038 acre-feet.
- Modeling of Corsicana's rights from Richland-Chambers Reservoir as a system with Lake Halbert, reflecting how these rights are actually used.
- Modeling of Lake Benbrook as one pool instead of multiple pools to facilitate calculation of yields. The current modeling incorrectly assigns evaporation to the dead pool of the reservoir which does not refill because it is modeled as non-priority. In actual operation, TRWD cannot use water from the reservoir unless this dead storage is full. This modeling respects the USACE minimum elevation for water supply.

Red River Basin WAM

- Modeling of Lake Randell and Valley Lake as stand-alone reservoirs without Lake Texoma backups for the firm yield calculation of these two reservoirs. Backup supply for these reservoirs from Lake Texoma is included in the supplies from Lake Texoma. This prevents double counting of the makeup water from Lake Texoma. For firm yield calculations for reservoirs other than Lake Randell, Valley Lake and Lake Texoma, the backups for Lake Randell and Valley Lake were retained.
- Lake Texoma is located on the Texas-Oklahoma border, and in accordance with the Red River Compact, water in Lake Texoma is equally shared by Texas and Oklahoma. There are three distinct water storage pools in Lake Texoma: 1) water supply, 2) hydropower, and 3) sediment storage (dead pool). Use of water from Lake Texoma is authorized by multiple Texas water rights and Oklahoma water rights, as well as authorizations by the US Congress and contracts with the Corps. To assess the firm yield of the reservoir for Region C, the total firm yield for both the water supply and hydropower pools were modeled. This total yield was equally split between Texas and Oklahoma. The reliable supplies from the lake are limited to the Texas water rights and associated storage contracts with the Corps.
- Removal of diversion backups of individual Texas water rights in Lake Texoma from the hydropower pool. All Texas water rights are 100% reliable in the WAM, so these backups are not invoked in the WAM. The code was removed because it made the modeling unnecessarily complicated.

Texas Water Development Board

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June 21, 2018

J. Kevin Ward
Region C Chair
Trinity River Authority
P.O. Box 60
Arlington, Texas 76004

RE: Region C Regional Water Planning Group (RWPG) request for approval to modify existing surface water availability hydrologic assumptions for development of the 2021 Region C Regional Water Plan (RWP)

Dear Mr. ~~Ward~~ Kevin:

The Texas Water Development Board (TWDB) has reviewed Region C's request dated April 13, 2018 for approval of alternative hydrologic assumptions to be used in determining existing surface water source availability. This letter confirms that the TWDB approves the following assumptions:

1. Use of a one-year safe yield for surface water sources owned and operated by the Tarrant Regional Water District, including Lake Bridgeport, Eagle Mountain Lake, Lake Worth, Lake Benbrook, Lake Arlington, Richland-Chambers Reservoir, and Cedar Creek Reservoir.
2. Use of a nine-month safe yield for surface water sources owned and operated by the Dallas Water Utilities including Lake Ray Roberts, Lake Lewisville, Lake Grapevine, Lake Ray Hubbard, Lake Tawakoni, and Lake Fork.
3. Utilize a modified Trinity River Water Availability Model (WAM) to account for current operating conditions, including subordination agreements, system operations where appropriate, and other corrections as detailed in Attachment A of the hydrologic variance request, for surface water availabilities in the Trinity River Basin.
4. Utilize a modified Red River WAM, including changes to Lake Texoma and associated water rights as detailed in Attachment A of the hydrologic variance request, for surface water availabilities in the Red River Basin.
5. Utilize an external Excel-based mass balance reservoir-specific operations model with extended hydrology through 2017 to determine the availability for Lake Chapman in the Sulphur River Basin.
6. Use of surface water availabilities, based upon the hydrologic variance approved for use by the Region I RWPG for the Neches River Basin.

7. Use of surface water availabilities, based upon the hydrologic variance approved for use by the Region I RWPG for the Sabine River Basin.
8. Use of surface water availabilities, based upon the hydrologic variance approved for use by the Region G RWPG for the Brazos River Basin.

Through subsequent clarification of the submitted letter from the RWPG, it was also requested to report surface water availability for the Lake Texoma North Texas Municipal Water District (NTMWD) Portion only, the Cooper/Chapman Lake NTMWD Portion only, and Lavon Lake as an NTMWD System rather than by individual reservoirs. This assumption is allowable under existing regional water planning guidance.

Although the TWDB approves the use of safe yield (a nine-month or one-year, as specified above) for developing estimates of certain surface water availabilities, the firm yield for each reservoir must still be reported to TWDB in the online planning database and plan documents.

For the purpose of evaluating potentially feasible water management strategies, the appropriate Texas Commission on Environmental Quality's WAM RUN3 is to be used, unless a hydrologic variance request for future surface water source availabilities is submitted and approved.

While the TWDB authorizes the above modifications to evaluate existing surface water availabilities for the development of the 2021 Region C RWP, it is the responsibility of the RWPG to ensure that the resulting estimates of existing surface water availabilities are reasonable for drought of record planning purposes and will reflect conditions expected in the event of an actual drought of record; and in all other regards will be evaluated in accordance with the contract Exhibit C, *Second Amended General Guidelines for Fifth Cycle of Regional Water Plan Development.*

If you have any questions, please do not hesitate to contact Connie Townsend, project manager for Region C, at 512-463-8290 or via email at connie.townsend@twdb.texas.gov.

Sincerely,

Jeff Walker
Executive Administrator

c: Ms. Amy Kaarlela, Freese & Nichols, Inc.
Mr. David Dunn, HDR, Inc.
Mr. Rex Hunt, Alan Plummer Associates, Inc.
Ms. Connie Townsend, TWDB

JW/CT/ms

Texas Water Development Board

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June 27, 2018

Mr. Russell Schreiber
Region B Chair
City of Wichita Falls
P.O. Box 1431
Wichita Falls, Texas 76307

RE: Region B Regional Water Planning Group (RWPG) request for approval to modify existing surface water availability hydrologic assumptions for development of the 2021 Region B Regional Water Plan (RWP)

Dear Mr. Schreiber:

The Texas Water Development Board (TWDB) has reviewed Region B's request dated January 10, 2018 for approval of alternative hydrologic assumptions to be used in determining existing surface water source availability. This letter confirms that the TWDB approves the following assumptions:

1. The use of a one-year safe yield for all existing Region B reservoirs within the Red River Basin, except for Lake Arrowhead, Lake Kickapoo, and the Kemp-Diversion reservoir system.
2. The use of a 20 percent capacity safe yield for the City of Wichita Falls' water supply sources including Lake Arrowhead, Lake Kickapoo, and the Kemp-Diversion reservoir system.
3. The use of four reservoir-specific operation models with extended hydrology through 2015.
4. The use of surface water availabilities for Greenbelt Reservoir, based upon the hydrologic variance approved for use by the Region A RWPG.
5. The use of surface water availabilities for Lake Amon G. Carter, based upon the hydrologic variance approved for use by the Region C RWPG.

Although the TWDB approves the use of safe yield (a one-year reserve or a 20 percent capacity reserve, as specified above) for developing estimates of certain surface water availabilities, firm yield for each reservoir must still be reported to TWDB in the online planning database and plan documents.

For the purpose of evaluating potentially feasible water management strategies, the appropriate Texas Commission on Environmental Quality's WAM RUN3 is to be used,

unless a hydrologic variance request for future surface water source availabilities is submitted and approved.

While the TWDB authorizes the above modifications to evaluate existing surface water availabilities for the development of the 2021 Region B RWP, it is the responsibility of the RWPG to ensure that the resulting estimates of existing surface water availabilities are reasonable for drought of record planning purposes and will reflect conditions expected in the event of an actual drought of record; and in all other regards will be evaluated in accordance with the contract Exhibit C, *Second Amended General Guidelines for Fifth Cycle of Regional Water Plan Development.*

If you have any questions, please do not hesitate to contact Connie Townsend, project manager for Region B, at 512-463-8290 or via email at connie.townsend@twdb.texas.gov.

Sincerely,

Jeff Walker
Executive Administrator

c: Mr. Randy Whiteman, Red River Authority
Mr. Kerry Maroney, Biggs & Matthews
Ms. Simone Kiel, Freese & Nichols, Inc.
Mr. Robert Adams, Alan Plummer Associates, Inc.
Ms. Amy Kaarlela, Freese & Nichols, Inc.
Ms. Connie Townsend, TWDB

Texas Water Development Board

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July 6, 2018

Mark Evans
Region H Chair
Region H Regional Water Planning Group
c/o San Jacinto River Authority
P.O. Box 329
Conroe, Texas 77305

RE: Region H Regional Water Planning Group (RWPG) request for approval to modify existing surface water availability hydrologic assumptions for development of the 2021 Region H Regional Water Plan (RWP)

Dear Mr. Evans:

The Texas Water Development Board (TWDB) has reviewed your request dated May 29, 2018 for approval of alternative water supply assumptions to be used in determining existing surface water availability. This letter confirms that the TWDB approves the following requests:

1. Use of the modified Trinity River Basin Water Availability Model (WAM) approved for use by the Region C RWPG in analysis of Trinity River Basin water rights.
2. Include a limited quantity of return flows in the Trinity River Basin.
3. Use of the modified Brazos River Basin WAM approved for use by the Region G RWPG, for analysis of the Brazos River and San Jacinto-Brazos Coastal Basins.
4. Modify the Colorado WAM RUN3 to adjust multiple water rights within the Brazos-Colorado Coastal Basin.

Through subsequent clarification of the submitted letter from the RWPG consultant, it was determined that the requested variance to modify reservoir conservation pool elevation levels for the San Jacinto River Basin is not being used. The RWPG must submit a follow up hydrologic variance request with additional details on this specific exception, should Region H determine this variance to be necessary at a later date.

For the purpose of evaluating potentially feasible water management strategies, the appropriate Texas Commission on Environmental Quality's WAM RUN3 is to be used, unless a hydrologic variance request for future surface water source availabilities is submitted and approved.

While the TWDB has authorized these modifications to evaluate existing water supplies for development of the 2021 Region H RWP, it is the responsibility of the RWPG to ensure that the resulting estimates of water availability are reasonable for drought planning purposes and will reflect conditions expected in the event of actual drought conditions; and in all other regards will be evaluated in accordance with the contract Exhibit C, *Second Amended General Guidelines for Fifth Cycle of Regional Water Plan Development.*

If you have any questions, please do not hesitate to contact Lann Bookout, project manager for Region H, at 512-936-9439 or via email at lann.bookout@twdb.texas.gov.

Sincerely,

Jeff Walker
Executive Administrator

c: Jace Houston, General Manager, San Jacinto River Authority
Jason Afinowicz, Freese and Nichols, Inc.
Lann Bookout, Project Manager
David Dunn, HDR, Inc. (Region G)
Amy Kaarlela, Freese and Nichols, Inc. (Region C)

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August 10, 2018

Mr. Kelley Holcomb
Region I Chair
East Texas (Region I) Regional Water Planning Group
c/o City of Nacogdoches
P.O. Box 635030
Nacogdoches, TX 75963-5030

RE: Region I Regional Water Planning Group (RWPG) request for approval to modify existing surface water availability hydrologic assumptions for development of the 2021 Region I Regional Water Plan (RWP)

Dear Mr. Holcomb: Kelley

The Texas Water Development Board (TWDB) has reviewed your request dated July 3, 2018 for approval of alternative water supply assumptions to be used in determining existing surface water availability. This letter confirms that the TWDB approves the following requests:

1. Use of the updated Trinity Water Availability Model (WAM) developed and approved for use by Region C.
2. Modifying the Neches River WAM RUN3 to address the following:
    a. Subordination of rights associated with Sam Rayburn Reservoir and Lake B.A. Steinhagen.
    b. Hydropower generation at Sam Rayburn Reservoir and regulation of releases by Lake B. A. Steinhagen.
    c. System operations, where appropriate.
    d. Incorrect representation of environmental flow standards related to Permit No. 5585.
    e. Minimum operating elevation in Sam Rayburn Reservoir.
3. Modifying the Sabine River WAM RUN3 to address the following:
    a. Area-capacity relationships updated to reflect current and future sedimentation conditions for major reservoirs.
    b. The canal water rights owned by Sabine River Authority (SRA) in the lower basin were modeled as being backed up by releases from Toledo Bend Reservoir.
    c. The remainder of the yield of Toledo Bend evaluated assuming all diversions were taken lakeside.

   d. Hydropower operations at Toledo Bend were excluded during the determination of total available supply from the lake.
   e. Supplies for Lake Pinkston in the Neches River Basin and Lake Center in the Sabine Basin may be determined separately from the WAM, based on the 2016 study completed by the City of Center.
4. Evaluate the City of Beaumont supplies based on daily time-step maximum diversion rates and current infrastructure.

For the purpose of evaluating potentially feasible water management strategies, the TCEQ WAM RUN3 is to be used, unless a hydrologic variance request for future surface water source availabilities is submitted and approved.

While the TWDB authorizes these modification to evaluate existing water supplies for development of the 2021 Region I RWP, it is the responsibility of the RWPG to ensure that the resulting estimates of water availability are reasonable for drought planning purposes and will reflect conditions expected in the event of actual drought conditions; and in all other regards will be evaluated in accordance with the contract Exhibit C, *Second Amended General Guidelines for Fifth Cycle of Regional Water Plan Development.*

If you have any questions, please do not hesitate to contact Lann Bookout, project manager for Region I, at (512) 936-9439 or via email at lann.bookout@twdb.texas.gov.

Sincerely,

Jeff Walker
Executive Administrator

JW/LB:ms

c: Jim Jeffers, City of Nacogdoches
Stacy Corley, City of Nacogdoches
Rex Hunt, Alan Plummer Associates, Inc.
Amy Kaarlela, Freese & Nichols, Inc. (Region C)
Lann Bookout, TWDB

APPENDIX C
Potentially Feasible WMSs for WWPs

Table C.1
Potentially Feasible Water Management Strategies for Regional Wholesale Water Providers

Water Management Strategies	DWU	TRWD	NTMWD	TRA	UTRWD	DCPCMUD	GTUA	Fort Worth	Corsicana
Conservation*:	PF	PF	PF	PF	PF	PF	PF	PF	PF
Drought Management:									
Implementation of Drought Contingency Plans/Measures as needed	PF	PF	PF	PF	PF	PF	PF	PF	PF
Reuse:									
Main Stem Pump Station	PF								
Main Stem Balancing Reservoir	PF								
Direct Reuse	PF			PF	PF			PF	
Cedar Creek Reuse (Wetlands)		PF							
Reuse for Steam Electric Power									
Ennis Indirect Reuse				PF					
Joe Pool Reuse				PF					
Reuse from TRA Central Regional WWTP		PF		PF					
Additional Reuse (TBD)		PF	PF						
Existing Supplies:									
Expansion of Treatment and Delivery System	PF	PF	PF	PF	PF		PF	PF	PF
IPL Connection to Bachman	PF								
Lake Texoma Desalination	PF		PF				PF		
Toledo Bend	PF	PF	PF		PF				
Carrizo-Wilcox Groundwater from Upshur, Wood, Smith Counties	PF								
Carrizo-Wilcox Groundwater from Counties TBD		PF							
IPL Connect to Lake Palestine	PF								
IPL Connection of Existing Supplies (Cedar Creek and Richland-Chambers)									
Oklahoma		PF	PF		PF				
Removal of Chapman Silt Barrier									
Dredge Lake Lavon									
Add'l measure to access full Lavon yield			PF						
Chapman Booster Pump Station			PF						
Lake Texoma blending			PF		PF				
Lake O' the Pines			PF						
Freestone/Anderson Co Groundwater (Forestar)			PF						
Purchase of Additional Supplies from current provider					PF				
Renew Contract for Supplies from current provider					PF				
Lake Texoma Raw water for SEP							PF		
Navarro Mills (additional)									PF
Conjunctive Use:									
Conjunctive use of Ground & Surface water	PF								
Aquifer Storage and Recovery		PF							
Development of New Supplies:									
Lower Bois d'Arc Reservoir (New IBT)			PF						
Sulphur Basin Supplies (New IBT)	PF	PF	PF		PF				
Marvin Nichols Reservoir (New IBT)		PF	PF		PF				
Ralph Hall Reservoir (New IBT)					PF				
George Parkhouse North Lake (New IBT)			PF		PF				
George Parkhouse South Lake (New IBT)			PF		PF				
Lake Columbia (New IBT)	PF								
Lake Tehuacana		PF							
Neches Run-of-River Diversions (IBT)	PF								
Red River Off Channel Reservoir (New IBT)	PF				PF				
Sabine Off Channel Reservoir (New IBT)	PF								
Richland-Chambers Reservoir for SEP									PF
Development of Regional Water Supply or Providing Regional Management of Water Supply Facilities:**									
Fannin County Water Supply Project			PF						
Fannin County Water Supply Project							PF		
Collin-Grayson Municipal Alliance							PF		
Voluntary Transfer of Water (incl. regional water banks, sales, leases, options, subordination agreements, and financing agreements):									
Interim Purchase from DWU		PF							
Emergency Transfer of Water (Section 11.139):									
System Optimization, Subordination, Leases, Enhancement of Yield, Improvement of Water Quality									
System Operation	PF	PF	PF						
Desalination:									
Supplies from the Gulf of Mexico with Desalination	PF	PF	PF						
Desalination Plant - Northeast Grayson, Sherman, Denison							PF		

Blanks Indicate nPF = determined 'not potentially feasible' (may include WMSs that were initially considered)
PF = considered 'potentially feasible' and therefore evaluated
Green indicates new PFWMS from 2016 Plan, Red indicates removed PFWMS from 2016 Plan, and Purple indicates 2016 WMS that is now an existing supply

* Note: Specific Conservation Strategies are listed in a separate analysis.
** Note: All strategies for wholesale water suppliers could be considered as "Development of Regional Water Supply"
IBT denotes a Permitted Interbasin Transfer.
New IBT denotes an Interbasin Transfer requiring a new IBT permit.

Table C.2
Potentially Feasible Water Management Strategies for Local Wholesale Water Providers

Water Management Strategies	Arlington	Athens MWA	Denison	Denton	Ennis	Forney	Gainesville	Garland	Grand Prairie	Mansfield	Midlothian	Mustang SUD	North Richland Hills	Princeton	Rockett SUD	Rockwall	Seagoville	Sherman	Terrell	Walnut Creek SUD	Waxahachie	Weatherford	Wise Co. WSD
Conservation*:	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF				PF	PF	PF	PF	PF	PF	PF	PF
Drought Management:																							
Implementation of Drought Contingency Plans as needed	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF					PF	PF	PF	PF	PF	PF	PF	PF
Reuse:																							
Athens Indirect Reuse		PF																					
Indirect Reuse to Lake Weatherford/Sunshine																					PF		
Reallocation/Management of Existing Supplies:																							
Expansion of Treatment and Delivery System		PF	PF	PF	PF	PF	PF		PF	PF	PF	PF	PF	PF	PF	PF		PF	PF	PF	PF	PF	PF
Expansion of Raw Water Supply System																					PF		
Conjunctive Use:																							
Acquisition of Available Existing Supplies:																							
Purchase of Additional Supplies from current provider	PF	PF	PF	PF	PF	PF		PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Additional Lake Texoma			PF																				
Begin Purchasing from Arlington									PF														
Development of New Supplies:																							
New Wells in Carrizo-Wilcox		PF																					
Development of Regional Water Supply or Providing Regional Management of Water Supply Facilities:**																							
Infrastructure to deliver to Cooke County WUGS							PF																
Grayson County Water Supply Project		PF	PF														PF						
Voluntary Transfer of Water (incl. regional water banks, sales, leases, options, subordination agreements, and financing agreements):																							
Emergency Transfer of Water (Section 11.139):																							
System Optimization, Subordination, Leases, Enhancement of Yield, Improvement of Water Quality																							
System Operation																							
Desalination:																							
Desalination Plant			PF														PF						

Blanks Indicate nPF = determined 'not potentially feasible' (may include WMSs that were initially considered)
PF = considered 'potentially feasible' and therefore evaluated

* Note: Specific Conservation Strategies are listed in a separate analysis.
** Note: All strategies for wholesale water suppliers could be considered as "Development of Regional Water Supply"

APPENDIX D
Potentially Feasible WMSs for WUGs by County

Table D.3 - Potentially Feasible Water Management Strategies for Collin County Municipal WUGs*

Water Management Strategies	Allen	Anna	Bear Creek SUD	B H P WSC	Blue Ridge	Caddo Basin SUD	Celina	Copeville SUD	County-Other	Culleoka WSC	East Fork SUD	Fairview	Farmersville	Frisco	Frognot WSC	Josephine	Lucas	Marilee SUD	McKinney	Melissa	Milligan WSC	Murphy	Nevada SUD	North Collin SUD	North Farmersville WSC	Parker	Plano	Princeton	Prosper	Seis Lagos UD	Verona SUD	Westminster WSC	Wylie	Wylie Northeast SUD	Irrigation	Manufacturing	SEP
WMSs NAMED TO BE CONSIDERED BY STATUTE																																				
Conservation	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	
Drought Management																																				
Implement Drought Contingency Plan/measures as needed	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Reuse														PF																						
Reallocation/ Management of Existing Supplies																																				
Expansion of Treatment and Delivery System					PF					PF									PF					PF			PF				PF				
Desalination																																				
Conjuctive Use																																				
Acquisition of Available Existing Supplies																																				
Additional Supplies from current provider	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF		PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF			PF	PF		PF	PF
Begin Purchasing from NTMWD							PF																													
Grayson County Water Supply Project		PF															PF																			
New wells in Trinity Aquifer																															PF					
New wells in Woodbine Aquifer														PF																PF						
New wells																	PF																		PF	
Development of New Supplies																																				
New Surface water																																				
New Groundwater																																				
Development of Regional Water Supply or Providing Regional Management of Water Supply Facilities																																				
Voluntary Transfer of Water (incl. regional water banks, sales, leases, options, subordination agreements, and financing agreements)																																				
Emergency Transfer of Water (Section 11.139)																																				
Additional WMSs named to be considered by rule**																																				
System optimazation, reallocation of reservoir storage, contracts, water marketing, enhancement of yield, improvement of water quality																																				
Interbasin Transfer																																				
Aquifier Storage and Recovery																																				

Blanks indicate nPF = determined 'not potentially feasible' (may include WMSs that were initially considered or identified as potentially feasible)
PF = considered 'potentially feasible' and therefore evaluated
*If a WUG is located in Multiple Counties, it is only shown on the Appendix O table for the County in which the majority of the WUG is located. WUGs that are also WWPs are not listed here. See Tables O.1 and O.2
**Region C does not consider the following WMSs to be potentially feasible for Region C WUGs: brush control; precipitation enhancement; cancellation of water rights; and rainwater harvesting. Region C supports rainwater harvesting on an individual basis but does not considered it to be a strategy that is feasible for a water provider to implement.

Table D.4 - Potentially Feasible Water Management Strategies for Cooke County Municipal WUGs*

Water Management Strategies	Callisburg WSC	County-Other	Lake Kiowa SUD	Lindsay	Mountain Springs WSC	Muenster	Two Way WSC	Woodbine WSC	Irrigation	Manufacturing	Mining
WMSs NAMED TO BE CONSIDERED BY STATUTE											
Conservation	PF	PF	PF	PF	PF	PF	PF	PF		PF	
Drought Management											
Implement Drought Contingency Plan/measures as needed	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Reuse											
Reallocation/ Management of Existing Supplies											
Expansion of Treatment and Delivery System											
Desalination											
Conjuctive Use											
Acquisition of Available Existing Supplies											
New Well(s) in Carrizo-Wilcox Aquifer	PF										
Additional Supplies from current provider									PF	PF	
Connect to and purchase from Gainesville		PF	PF	PF	PF	PF	PF	PF			PF
Connect to and purchase from Lake Texoma				PF							
Development of New Supplies											
New Surface water											
New Groundwater											
Development of Regional Water Supply or Providing Regional Management of Water Supply Facilities											
Voluntary Transfer of Water (incl. regional water banks, sales, leases, options, subordination agreements, and financing agreements)											
Emergency Transfer of Water (Section 11.139)											
Additional WMSs named to be considered by rule**											
System optimazation, reallocation of reservoir storage, contracts, water marketing, enhancement of yield, improvement of water quality											
Interbasin Transfer											
Aquifer Storage and Recovery											
Other											
Treatment facilities for additional supply						PF					
Lake Muenster						PF					

Blanks indicate nPF = determined 'not potentially feasible' (may include WMSs that were initially considered or identified as potentially feasible)
PF = considered 'potentially feasible' and therefore evaluated
*If a WUG is located in Multiple Counties, it is only shown on the Appendix O table for the County in which the majority of the WUG is located. WUGs that are also WWPs are not listed here. See Tables O.1 and O.2

**Region C does not consider the following WMSs to be potentially feasible for Region C WUGs: brush control; precipitation enhancement; cancellation of water rights; and rainwater harvesting. Region C supports rainwater harvesting on an individual basis but does not considered it to be a strategy that is feasible for a water provider to implement.

Table D.5 - Potentially Feasible Water Management Strategies for Dallas County Municipal WUGs*

Water Management Strategies	Addison	Balch Springs	Cedar Hill	Cockrell Hill	Coppell	County-Other	DeSoto	Duncanville	Farmers Branch	Glenn Heights	Highland Park	Hutchins	Irving	Lancaster	Mesquite	Richardson	Rowlett	Sachse	Seagoville	Sunnyvale	University Park	Wilmer	Irrigation	Manufacturing	Mining	SEP
WMSs NAMED TO BE CONSIDERED BY STATUTE																										
Conservation	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Drought Management																										
Implement Drought Contingency Plan/measures as needed	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Reuse																										
Irving Indirect Reuse												PF														
Las Colinas Direct Reuse																						PF				
TRA Reuse for SEP																										PF
Reallocation/ Management of Existing Supplies																										
Expansion of Treatment and Delivery System									PF			PF				PF			PF		PF					
Removal of Chapman Silt Barrier												PF														
Desalination																										
Conjuctive Use																										
Acquisition of Available Existing Supplies																										
Additional Supplies from current provider	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Additional Supplies from current provider through Lancaster																					PF					
Additional Supplies from current provider-direct connection																					PF					
Development of New Supplies																										
New Surface water																										
Sulphur Basin Supplies												PF														
Marvin Nichols Reservoir												PF														
New Groundwater																										
Development of Regional Water Supply or Providing Regional Management of Water Supply Facilities																										
Voluntary Transfer of Water (incl. regional water banks, sales, leases, options, subordination agreements, and financing																										
Emergency Transfer of Water (Section 11.139)																										
Additional WMSs named to be considered by rule**																										
System optimazation, reallocation of reservoir storage, contracts, water marketing, enhancement of yield, improvement of water																										
Interbasin Transfer																										
Aquifier Storage and Recovery																										

Blanks indicate nPF = determined 'not potentially feasible' (may include WMSs that were initially considered or identified as potentially feasible)

PF = considered 'potentially feasible' and therefore evaluated

*If a WUG is located in Multiple Counties, it is only shown on the Appendix O table for the County in which the majority of the WUG is located. WUGs that are also WWPs are not listed here. See Tables O.1 and O.2

**Region C does not consider the following WMSs to be potentially feasible for Region C WUGs: brush control; precipitation enhancement; cancellation of water rights; and rainwater harvesting. Region C supports rainwater harvesting on an individual basis but does not considered it to be a strategy that is feasible for a water provider to implement.

Table D.6 - Potentially Feasible Water Management Strategies for Denton County Municipal WUGs*

Water Management Strategies	Argyle WSC	Aubrey	Black Rock WSC	Bolivar WSC	Carrollton	Corinth	County-Other	Cross Timbers WSC	Denton County FWSD 1-A	Denton County FWSD 7	Denton County FWSD 10	Flower Mound	Hackberry	Highland Village	Justin	Krum	Lake Cities MUA	Lewisville	Little Elm	Northlake	Paloma Creek North CRU	Paloma Creek South CRU	Pilot Point	Ponder	Providence Village WCID	Roanoke	Sanger	The Colony	Trophy Club	Irrigation	Manufacturing	Mining
WMSs NAMED TO BE CONSIDERED BY STATUTE																																
Conservation	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	
Drought Management																																
Implement Drought Contingency Plan/measures as needed	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Reuse																																
Direct Reuse from UTRWD																													PF			
Direct Reuse from local WWTPs											PF																					
Reallocation/ Management of Existing Supplies																																
Expansion of Treatment and Delivery System							PF					PF	PF			PF	PF		PF									PF				
Desalination																																
Conjuctive Use																																
Acquisition of Available Existing Supplies																																
New Well(s) in Trinity Aquifer		PF	PF			PF	PF							PF	PF							PF								PF		
New Well(s) in Woodbine Aquifer		PF	PF				PF																									
Additional Supplies from current provider	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF			PF	PF	PF	PF	PF	PF	PF	PF	PF
Begin Purchasing from Gainesville				PF																												
Begin Purchasing from UTRWD																						PF	PF									
Development of New Supplies																																
New Surface water																																
New Groundwater																																
Development of Regional Water Supply or Providing Regional Management of Water Supply Facilities																																
Voluntary Transfer of Water (incl. regional water banks, sales, leases, options, subordination agreements, and financing agreements)																																
Emergency Transfer of Water (Section 11.139)																																
Additional WMSs named to be considered by rule**																																
System optimazation, reallocation of reservoir storage, contracts, water marketing, enhancement of yield, improvement of water quality																																
Interbasin Transfer																																
Aquifer Storage and Recovery																																

Blanks indicate nPF = determined 'not potentially feasible' (may include WMSs that were initially considered or identified as potentially feasible)

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**Region C does not consider the following WMSs to be potentially feasible for Region C WUGs: brush control; precipitation enhancement; cancellation of water rights; and rainwater harvesting. Region C supports rainwater harvesting on an individual basis but does not considered it to be a strategy that is feasible for a water provider to implement.

Table D.7 - Potentially Feasible Water Management Strategies for Ellis County Municipal WUGs*

Water Management Strategies	Avalon Water Supply and Sewer Service	Buena Vista-Bethel SUD	County-Other	East Garrett WSC	Ferris	Files Valley WSC	Hilco United Services	Italy	Mountain Peak SUD	Ovilla	Palmer	Red Oak	Rice Water Supply and Sewer Service	Sardis Lone Elm WSC	South Ellis County WSC	Venus	Manufacturing	SEP
WMSs NAMED TO BE CONSIDERED BY STATUTE																		
Conservation	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Drought Management																		
Implement Drought Contingency Plan/measures as needed	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Reuse																		
TRA Reuse for SEP																		PF
Reallocation/ Management of Existing Supplies																		
Expansion of Treatment and Delivery System					PF	PF				PF	PF		PF	PF				
Desalination																		
Conjuctive Use																		
Acquisition of Available Existing Supplies																		
New Well(s) in Trinity Aquifer	PF																	
New Well(s) in Woodbine Aquifer							PF		PF									
New Well(s) in Carrizo-Wilcox Aquifer																		
New Well(s) in Other Aquifer														PF				
Additional Supplies from current provider		PF	PF	PF	PF	PF		PF	PF		PF	PF	PF	PF		PF	PF	PF
Connect to Waxahachie						PF												
Connect to Midlothian														PF				
Development of New Supplies																		
New Surface water																		
New Groundwater																		
Development of Regional Water Supply or Providing Regional Management of Water Supply Facilities																		
TRA Ellis County Water Supply Project		PF	PF		PF	PF		PF	PF		PF	PF	PF	PF		PF	PF	PF
Voluntary Transfer of Water (incl. regional water banks, sales, leases, options, subordination agreements, and financing agreements)																		
Emergency Transfer of Water (Section 11.139)																		
Additional WMSs named to be considered by rule**																		
System optimazation, reallocation of reservoir storage, contracts, water marketing, enhancement of yield, improvement of water quality																		
Interbasin Transfer																		
Aquifer Storage and Recovery																		

Blanks indicate nPF = determined 'not potentially feasible' (may include WMSs that were initially considered or identified as potentially feasible)

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**Region C does not consider the following WMSs to be potentially feasible for Region C WUGs: brush control; precipitation enhancement; cancellation of water rights; and rainwater harvesting. Region C supports rainwater harvesting on an individual basis but does not considered it to be a strategy that is feasible for a water provider to implement.

Table D.8 - Potentially Feasible Water Management Strategies for Fannin County Municipal WUGs*

Water Management Strategies	Arledge Ridge WSC	Bois D Arc MUD	Bonham	County-Other	Delta County MUD	Desert WSC	Hickory Creek SUD	Honey Grove	Ladonia	Leonard	North Hunt SUD	SW Fannin Co SUD	Trenton	West Leonard WSC	White Shed WSC	Wolfe City	Mining	SEP
WMSs NAMED TO BE CONSIDERED BY STATUTE																		
Conservation	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Drought Management																		
Implement Drought Contingency Plan/measures as needed	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Reuse																		
Reallocation/ Management of Existing Supplies																		
Expansion of Treatment and Delivery System					PF				PF									
Desalination																		
Conjuctive Use																		
Acquisition of Available Existing Supplies																		
New Well(s) In Trinity or Woodbine Aquifer	PF	PF				PF					PF	PF	PF	PF	PF			
Begin Purchasing from NTMWD		PF	PF	PF			PF	PF		PF	PF	PF	PF				PF	
Fannin County Water Supply Project		PF	PF	PF			PF	PF		PF	PF	PF	PF				PF	
Lake Ralph Hall Supply									PF									
Grayson County Water Supply Project				PF														
Lake Texoma (GTUA)																		PF
Additional Supplies from current provider					PF													
Development of New Supplies																		
New Surface water																		
New Groundwater																		
Development of Regional Water Supply or Providing Regional Management of Water Supply Facilities																		
Voluntary Transfer of Water (incl. regional water banks, sales, leases, options, subordination agreements, and financing agreements)																		
Emergency Transfer of Water (Section 11.139)																		
Additional WMSs named to be considered by rule**																		
System optimazation, reallocation of reservoir storage, contracts, water marketing, enhancement of yield, improvement of water quality																		
Interbasin Transfer																		
Aquifer Storage and Recovery																		

Blanks indicate nPF = determined 'not potentially feasible' (may include WMSs that were initially considered or identified as potentially feasible)

PF = considered 'potentially feasible' and therefore evaluated

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**Region C does not consider the following WMSs to be potentially feasible for Region C WUGs: brush control; precipitation enhancement; cancellation of water rights; and rainwater harvesting. Region C supports rainwater harvesting on an individual basis but does not considered it to be a strategy that is feasible for a water provider to implement.

Table D.9 - Potentially Feasible Water Management Strategies for Freestone County Municipal WUGs*

Water Management Strategies	Butler WSC	County-Other	Fairfield	Flo Community WSC	Pleasant Grove WSC	Point Enterprise WSC	South Freestone Co WSC	Teague	Wortham	SEP
WMSs NAMED TO BE CONSIDERED BY STATUTE										
Conservation	PF	PF	PF	PF	PF	PF	PF	PF	PF	
Drought Management										
Implement Drought Contingency Plan/measures as needed	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Reuse										
TRA Reuse for SEP										PF
Reallocation/ Management of Existing Supplies										
Expansion of Treatment and Delivery System		PF	PF							
Desalination										
Conjuctive Use										
Acquisition of Available Existing Supplies										
New Well(s) in Carrizo-Wilcox Aquifer	PF			PF	PF	PF	PF			
New Well(s) in Trinity Aquifer (Navarro County)								PF		
Additional Supplies from current provider		PF							PF	PF
Begin Purchasing from TRWD		PF	PF							
Development of New Supplies										
New Surface water										
New Groundwater										
Development of Regional Water Supply or Providing Regional Management of Water Supply Facilities										
Voluntary Transfer of Water (incl. regional water banks, sales, leases, options, subordination agreements, and financing agreements)										
Emergency Transfer of Water (Section 11.139)										
Additional WMSs named to be considered by rule**										
System optimazation, reallocation of reservoir storage, contracts, water marketing, enhancement of yield, improvement of water quality										
Interbasin Transfer										
Aquifier Storage and Recovery										

Blanks indicate nPF = determined 'not potentially feasible' (may include WMSs that were initially considered or identified as potentially feasible)
PF = considered 'potentially feasible' and therefore evaluated
*If a WUG is located in Multiple Counties, it is only shown on the Appendix O table for the County in which the majority of the WUG is located. WUGs that are also WWPs are not listed here. See Tables O.1 and O.2
**Region C does not consider the following WMSs to be potentially feasible for Region C WUGs: brush control; precipitation enhancement; cancellation of water rights; and rainwater harvesting. Region C supports rainwater harvesting on an individual basis but does not considered it to be a strategy that is feasible for a water provider to implement.

Table D.10 - Potentially Feasible Water Management Strategies for Grayson County Municipal WUGs*

Water Management Strategies	Bells	Collinsville	County-Other	Dorchester	Gunter	Howe	Kentucky Town WSC	Luella SUD	Marilee SUD	Northwest Grayson Co WCID1	Oak Ridge South Gale WSC	Pink Hill WSC	Pottsboro	Red River Authority of Texas	South Grayson SUD	Southmayd	Starr WSC	Tioga	Tom Bean	Two Way SUD	Van Alstyne	Whitesboro	Whitewright	Woodbine WSC	Irrigation	Manufacturing	Mining	SEP
WMSs NAMED TO BE CONSIDERED BY STATUTE																												
Conservation	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Drought Management																												
Implement Drought Contingency Plan/measures as needed	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF		PF	PF	PF	PF
Reuse																												
Direct Reuse from Sherman																										PF	PF	
Reallocation/ Management of Existing Supplies																												
Expansion of treatment and delivery system																			PF									
Desalination																												
Conjuctive Use																												
Acquisition of Available Existing Supplies																												
New Well(s) In Trinity Aquifer				PF	PF				PF			PF				PF										PF		
New Well(s) In Woodbine Aquifer	PF			PF								PF			PF													
Additional Supplies from current provider				PF				PF				PF		PF						PF					PF			
Lake Texoma								PF																				
Development of New Supplies																												
New Surface water																												
New Groundwater																												
Development of Regional Water Supply or Providing Regional Management of Water Supply Facilities																												
Cooke County Water Supply Project																												
Fannin County Water Supply Project																												
Grayson County Water Supply Project	PF	PF	PF		PF	PF	PF	PF	PF				PF		PF	PF		PF	PF	PF		PF	PF	PF		PF	PF	PF
Collin Grayson Municipal Alliance						PF									PF						PF					PF		
Voluntary Transfer of Water (incl. regional water banks, sales, leases, options, subordination agreements, and financing agreements)																												
Emergency Transfer of Water (Section 11.139)																												
Additional WMSs named to be considered by rule**																												
System optimazation, reallocation of reservoir storage, contracts, water marketing, enhancement of yield, improvement of water quality																												
Interbasin Transfer																												
Aquifier Storage and Recovery																												

Blanks indicate nPF = determined 'not potentially feasible' (may include WMSs that were initially considered or identified as potentially feasible)

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**Region C does not consider the following WMSs to be potentially feasible for Region C WUGs: brush control; precipitation enhancement; cancellation of water rights; and rainwater harvesting. Region C supports rainwater harvesting on an individual basis but does not considered it to be a strategy that is feasible for a water provider to implement.

Table D.11 - Potentially Feasible Water Management Strategies for Henderson County Municipal WUGs*

Water Management Strategies	B B S WSC	County-Other	Crescent Heights WSC	Dogwood Estates Water	East Cedar Creek FWSD	Eustace	Malakoff	Trinidad	Virginia Hills WSC	West Cedar Cr MUD	Manufacturing	Mining	SEP
WMSs NAMED TO BE CONSIDERED BY STATUTE													
Conservation	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Drought Management													
Implement Drought Contingency Plan/measures as needed	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Reuse													
Indirect Reuse (Athens MWA) (Interbasin Transfer)													
Reallocation/ Management of Existing Supplies													
Expansion of treatment and delivery system					PF				PF				
Desalination													
Conjuctive Use													
Acquisition of Available Existing Supplies													
New Well(s) in Carrizo-Wilcox Aquifer			PF	PF		PF							
Additional Supplies from current provider	PF	PF			PF		PF		PF	PF	PF		
Purchase TRWD water from Cedar Creek Lake					PF								PF
Development of New Supplies													
New Surface water													
New Groundwater													
Development of Regional Water Supply or Providing Regional Management of Water Supply Facilities													
Voluntary Transfer of Water (incl. regional water banks, sales, leases, options, subordination agreements, and financing agreements)													
Emergency Transfer of Water (Section 11.139)													
Additional WMSs named to be considered by rule**													
System optimazation, reallocation of reservoir storage, contracts, water marketing, enhancement of yield, improvement of water quality													
Interbasin Transfer													
Aquifier Storage and Recovery													

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Table D.12 - Potentially Feasible Water Management Strategies
for Jack County Municipal WUGs*

Water Management Strategies	County-Other	Jacksboro	Mining	SEP
WMSs NAMED TO BE CONSIDERED BY STATUTE				
Conservation	PF	PF		
Drought Management				
Implement Drought Contingency Plan/measures as needed	PF	PF	PF	PF
Reuse				
Indriect Reuse from Jacksboro			PF	
Reallocation/ Management of Existing Supplies				
Expansion of treatment and delivery system				
Desalination				
Conjuctive Use				
Acquisition of Available Existing Supplies				
Purchase water from Walnut Creek SUD	PF			
Purchase water from Jacksboro	PF			
Purchase water from TRWD			PF	PF
Development of New Supplies				
New Surface water				
New Groundwater				
Development of Regional Water Supply or Providing Regional Management of Water Supply Facilities				
Voluntary Transfer of Water (incl. regional water banks, sales, leases, options, subordination agreements, and financing agreements)				
Emergency Transfer of Water (Section 11.139)				
Additional WMSs named to be considered by rule**				
System optimazation, reallocation of reservoir storage, contracts, water marketing, enhancement of yield, improvement of water quality				
Interbasin Transfer				
Aquifier Storage and Recovery				

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**Region C does not consider the following WMSs to be potentially feasible for Region C WUGs: brush control; precipitation enhancement; cancellation of water rights; and rainwater harvesting. Region C supports rainwater harvesting on an individual basis but does not considered it to be a strategy that is feasible for a water provider to implement.

Table D.13 - Potentially Feasible Water Management Strategies for Kaufman County Municipal WUGs*

Water Management Strategies	Ables Springs WSC	Becker Ilba WSC	College Mound WSC	Combine WSC	County-Other	Crandall	Elmo WSC	Forney Lake WSC	Gastonia Scurry SUD	High Point WSC	Kaufman	Kaufman Co Dev Dist 1	Kaufman Co MUD 11	Kemp	Mabank	MacBee SUD	Markout WSC	North Kaufman WSC	Poetry WSC	Rose Hill SUD	Talty SUD	West Cedar Ck MUD	Irrigation	Manufacturing	Mining	SEP
WMSs NAMED TO BE CONSIDERED BY STATUTE																										
Conservation	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF			
Drought Management																										
Implement Drought Contingency Plan/measures as needed	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Reuse																										
TRA Reuse for SEP																										PF
Reallocation/ Management of Existing Supplies																										
Expansion of Treatment and Delivery System			PF			PF			PF				PF		PF											
Desalination																										
Conjuctive Use																										
Acquisition of Available Existing Supplies																										
Additional Supplies from current provider	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF		PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF			PF
Begin Purchasing from Mabank													PF													
Begin Purchasing from Seagoville (DWU); construct facilities									PF																	
Begin Purchasing from TRWD																										
Begin Purchasing from NTWMD												PF													PF	
Development of New Supplies																										
New Surface water																										
New Groundwater																										
Development of Regional Water Supply or Providing Regional Management of Water Supply Facilities																										
Voluntary Transfer of Water (incl. regional water banks, sales, leases, options, subordination agreements, and financing agreements)																										
Emergency Transfer of Water (Section 11.139)																										
Additional WMSs named to be considered by rule**																										
System optimazation, reallocation of reservoir storage, contracts, water marketing, enhancement of yield, improvement of water quality																										
Interbasin Transfer																										
Aquifer Storage and Recovery																										

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Table D.14 - Potentially Feasible Water Management Strategies for Navarro County Municipal WUGs*

Water Management Strategies	B and B WSC	Blooming Grove	Brandon Irene WSC	Chatfield WSC	Corbet WSC	County-Other	Dawson	Kerens	M E N WSC	Navarro Mills WSC	Post Oak SUD	Irrigation	Manufacturing	SEP
WMSs NAMED TO BE CONSIDERED BY STATUTE														
Conservation	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Drought Management														
Implement Drought Contingency Plan/measures as needed	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Reuse														
Reallocation/ Management of Existing Supplies														
Expansion of Treatment and Delivery System								PF						
Desalination														
Conjuctive Use														
Acquisition of Available Existing Supplies														
New Wells in Woodbine Aquifer									PF	PF				
New Wells in Trinity Aquifer		PF		PF						PF				
Additional Supplies from current provider	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	
Purchase Supplies from new provider										PF				
Water Rights in Navarro Mills Reservoir										PF				
Raw Water from Corsicana for SEP														PF
Raw Water from TRWD for SEP														PF
Development of New Supplies														
New Surface water														
New Groundwater														
Development of Regional Water Supply or Providing Regional Management of Water Supply Facilities														
Voluntary Transfer of Water (incl. regional water banks, sales, leases, options, subordination agreements, and financing agreements)														
Emergency Transfer of Water (Section 11.139)														
Additional WMSs named to be considered by rule**														
System optimazation, reallocation of reservoir storage, contracts, water marketing, enhancement of yield, improvement of water quality														
Interbasin Transfer														
Aquifer Storage and Recovery														

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Table D.15 - Potentially Feasible Water Management Strategies for Parker County Municipal WUGs*

Water Management Strategies	Aledo	Annetta	County-Other	Horseshoe Bend Water System	Hudson Oaks	Mineral Wells	North Rural WSC	Parker County SUD	Reno	Santo SUD	Springtown	Willow Park	Manufacturing	SEP
WMSs NAMED TO BE CONSIDERED BY STATUTE														
Conservation	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	
Drought Management														
Implement Drought Contingency Plan/measures as needed	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Reuse														
Reallocation/ Management of Existing Supplies														
Expansion of Treatment and Delivery System	PF		PF					PF			PF	PF		
Desalination														
Conjuctive Use														
Acquisition of Available Existing Supplies														
New Well(s) in Trinity Aquifer			PF	PF				PF			PF			
Additional Supplies from current provider	PF		PF		PF		PF	PF	PF	PF	PF		PF	PF
Begin Purchasing from Ft Worth (TRWD)/Connect to Ft Worth												PF		
Begin Purchasing from Weatherford (TRWD)		PF	PF									PF		
Begin Purchasing from TRWD			PF											
Development of New Supplies														
New Surface water														
New Groundwater														
Development of Regional Water Supply or Providing Regional Management of Water Supply Facilities														
Voluntary Transfer of Water (incl. regional water banks, sales, leases, options, subordination agreements, and financing agreements)														
Emergency Transfer of Water (Section 11.139)														
Additional WMSs named to be considered by rule**														
System optimazation, reallocation of reservoir storage, contracts, water marketing, enhancement of yield, improvement of water quality														
Interbasin Transfer														
Aquifier Storage and Recovery														

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Table D.16 - Potentially Feasible Water Management Strategies for Rockwall County Municipal WUGs*

Water Management Strategies	Blackland WSC	Cash SUD	County-Other	Fate	Heath	Mount Zion WSC	R C H WSC	Rockwall	Royse City	Irrigation	Manufacturing
WMSs NAMED TO BE CONSIDERED BY STATUTE											
Conservation	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Drought Management											
Implement Drought Contingency Plan/measures as needed	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Reuse											
Reallocation/ Management of Existing Supplies											
Expansion of Treatment and Delivery System	PF	PF		PF							
Desalination											
Conjuctive Use											
Acquisition of Available Existing Supplies											
Additional Supplies from current provider	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Development of New Supplies											
New Surface water											
New Groundwater											
Development of Regional Water Supply or Providing Regional Management of Water Supply Facilities											
Voluntary Transfer of Water (incl. regional water banks, sales, leases, options, subordination agreements, and financing agreements)											
Emergency Transfer of Water (Section 11.139)											
Additional WMSs named to be considered by rule**											
System optimazation, reallocation of reservoir storage, contracts, water marketing, enhancement of yield, improvement of water quality											
Interbasin Transfer											
Aquifier Storage and Recovery											

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Table D.17 - Potentially Feasible Water Management Strategies for Tarrant County Municipal WUGs*

Water Management Strategies	Azle	Bedford	Benbrook	Bethesda WSC	Burleson	Colleyville	Community WSC	County-Other	Crowley	Dalworth Gardens	Edgecliff	Euless	Everman	Forest Hill	Grapevine	Haltom City	Haslet	Hurst	Johnson Co SUD	Keller	Kennedale	Lake Worth	Lakeside	Pantego	Pelican Bay	Richland Hills	River Oaks	Saginaw	Sansom Park Village	Southlake	Watauga	Westlake	Westover Hills	Westworth Village	White Settlement	Irrigation	Manufacturing	Mining	SEP
WMSs NAMED TO BE CONSIDERED BY STATUTE																																							
Conservation	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Drought Management																																							
Implement Drought Contingency Plan/measures as needed	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Reuse																																							
Purchase Reuse water from DCPCMUD (Lake Grapevine)														PF																										
Direct Reuse																																							PF
Reallocation/ Management of Existing Supplies																																							
Expansion of Treatment and Delivery System	PF		PF	PF	PF				PF									PF	PF	PF			PF	PF					PF	PF									
Desalination																																							
Conjuctive Use																																							
Acquisition of Available Existing Supplies																																							
New Well(s) in Trinity Aquifer																																							
Additional Supplies from current provider	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF			PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Begin Purchasing from Arlington (TRWD)				PF																PF			PF																
Begin Purchasing from Azle (Ft Worth)																								PF															
Begin Purchasing from Fort Worth (TRWD)																							PF																
Begin Purchasing from Grand Prairie																		PF																					
Development of New Supplies																																							
New Surface water																																							
New Groundwater																																							
Development of Regional Water Supply or Providing Regional Management of Water Supply Facilities																																							
Voluntary Transfer of Water (incl. regional water banks, sales, leases, options, subordination agreements, and financing agreements)																																							
Emergency Transfer of Water (Section 11.139)																																							
Additional WMSs named to be considered by rule**																																							
System optimazation, reallocation of reservoir storage, contracts, water marketing, enhancement of yield, improvement of water quality																																							
Interbasin Transfer																																							
Aquifier Storage and Recovery			PF																																				
Other																																							
Purchase water system																																							

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Table D.18 - Potentially Feasible Water Management Strategies for Wise County Municipal WUGs*

Water Management Strategies	Alvord	Boyd	Bridgeport	Chico	County-Other	Decatur	Newark	Rhome	Runaway Bay	West Wise SUD	Irrigation	Manufacturing
WMSs NAMED TO BE CONSIDERED BY STATUTE												
Conservation	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Drought Management												
Implement Drought Contingency Plan/measures as needed	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF
Reuse												
Reallocation/ Management of Existing Supplies												
Expansion of Treatment and Delivery System			PF	PF			PF		PF	PF		
Desalination												
Conjuctive Use												
Acquisition of Available Existing Supplies												
Additional Supplies from current provider	PF	PF	PF	PF	PF	PF		PF	PF	PF	PF	PF
New Well(s) in Trinity Aquifer		PF										PF
Begin Purchasing from Rhome							PF					
Development of New Supplies												
New Surface water												
New Groundwater												
Development of Regional Water Supply or Providing Regional Management of Water Supply Facilities												
Voluntary Transfer of Water (incl. regional water banks, sales, leases, options, subordination agreements, and financing agreements)												
Emergency Transfer of Water (Section 11.139)												
Additional WMSs named to be considered by rule**												
System optimazation, reallocation of reservoir storage, contracts, water marketing, enhancement of yield, improvement of water quality												
Interbasin Transfer												
Aquifer Storage and Recovery												

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