

Appendix A  
Historical/Supplemental Data

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## Appendix A: Description of Tables

**Table A-1. Historical Population.** Table A-1 provides detailed historical population totals for each county in the BGRWPA for each decade from 1900 through 2010. Historical data provided was obtained from the U.S. Census Bureau. Table A-1 also provides region totals for each year listed, percent change in population from decade to decade, the State's total population, and its corresponding percent change from decade to decade.

**Table A-2. Historical Population by Subregion.** Table A-2 categorizes the data listed in Table A-1 by the subregions identified in the BGRWPA, including the Rolling Plains, IH-35 Corridor and Lower Basin. Population totals for each subregion are provided as the summation of the populations of the counties within that subregion.

**Table A-3. Historical Use by Source.** Table A-3 provides a listing of water use in the BGRWPA by source, either groundwater or surface water for 1980, 1990, 2000, 2010, 2016, and 2017. These data were obtained from the TWDB. The total water use for the region is also listed.

**Table A-4. Historical Groundwater Pumpage by Aquifer.** Table A-4 provides a detailed listing of groundwater use by aquifer for 1980, 1990, 2000, 2010, 2016, and 2017. These data are a summary of data obtained from the TWDB for groundwater use in the BGRWPA.

**Table A-5. BGRWPA Reservoirs.** Table A-5 provides a complete listing of the reservoirs in the BGRWPA with a permitted capacity of at least 2,500 acre-feet. This table is provided to supplement Table 1-5 in the report.

**Table A-6. Permitted Surface Water Diversions.** Table A-6 lists the permitted diversions by county obtained from the TCEQ water-rights database. Table A-6 provides supplemental information to Table 1-6 in the report.

**Table A-7. Historical Use by County.** Table A-7 provides detailed water-use data by county for the BGRWPA for 1980, 1990, 2000, 2010, 2016, and 2017. Region totals are also provided. The data were obtained from the TWDB.

**Table A-8. Historical Water Use by Type.** Table A-8 lists water use as municipal, manufacturing, power generation, mining, irrigation or livestock watering for 1980, 1990, 2000, 2010, 2016, and 2017. Region totals are included for each year. All data were obtained from the TWDB.

**Table A-9. Historical Water Use by County, Source and Type.** Table A-9 provides 2017 water use by source and type for each county in the BGRWPA. The percentage of use by source for each county is also included. The data were obtained from the TWDB.

**Table A-1 BGRWPA Historical Population**

County	Historical Population <sup>1</sup>											
	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000	2010
Bell	45,535	49,186	46,412	50,030	44,863	73,824	94,097	124,483	157,889	191,088	237,974	310,235
Bosque	17,390	19,013	18,032	15,750	15,761	11,836	10,809	10,966	13,401	15,125	17,204	18,212
Brazos	18,859	18,919	21,975	21,835	26,977	38,390	44,895	57,978	93,588	121,862	152,415	194,851
Burleson	18,367	18,687	16,855	19,848	18,334	13,000	11,177	9,999	12,313	13,625	16,470	17,187
Callahan	8,768	12,973	11,844	12,785	11,568	9,087	7,929	8,205	10,992	11,859	12,905	13,544
Comanche	23,009	27,186	25,748	18,430	19,245	15,516	11,865	11,898	12,617	13,381	14,026	13,974
Coryell	21,308	21,703	20,601	19,999	20,226	16,284	23,961	35,311	56,767	64,213	74,978	75,388
Eastland	17,971	23,421	58,505	34,156	30,345	23,942	19,526	18,092	19,480	18,488	18,297	18,583
Erath	29,966	32,095	28,385	20,804	20,760	18,434	16,236	18,141	22,560	27,991	33,001	37,890
Falls	33,342	35,649	36,217	38,771	35,984	26,724	21,263	17,300	17,946	17,712	18,576	17,866
Fisher	2,708	12,596	11,009	13,563	12,932	11,023	7,865	6,344	5,891	4,842	4,344	3,974
Grimes	26,106	21,205	23,101	22,642	21,960	15,135	12,709	11,855	13,580	18,828	23,552	26,604
Hamilton	13,520	15,315	14,676	13,523	13,303	10,660	8,488	7,198	8,297	7,733	8,229	8,517
Haskell	2,637	16,249	14,193	16,669	14,905	13,736	11,174	8,512	7,725	6,820	6,093	5,899
Hill	41,355	46,760	43,332	43,036	38,355	31,282	23,650	22,596	25,024	27,146	32,321	35,089
Hood	9,146	10,008	8,759	6,779	6,674	5,287	5,443	6,368	17,714	28,981	41,100	51,182
Johnson	33,819	24,460	37,286	33,317	30,384	31,390	34,720	45,769	67,649	97,165	126,811	150,934
Jones	7,053	24,299	22,323	24,233	23,378	22,147	19,299	16,106	17,268	16,490	20,785	20,202
Kent	899	2,655	3,335	3,851	3,413	2,249	1,727	1,434	1,145	1,010	859	808
Knox	2,322	9,625	9,240	11,368	10,090	10,082	7,857	5,972	5,329	4,837	4,253	3,719
Lampasas	8,625	9,532	8,800	8,677	9,167	9,929	9,418	9,323	12,005	13,521	17,762	19,677
Lee	14,595	13,132	14,014	13,390	12,751	10,144	8,949	8,048	10,952	12,854	15,657	16,612
Limestone	32,573	34,621	33,283	39,497	33,781	25,251	20,413	18,100	20,224	20,946	22,051	23,384
McLennan	59,772	73,250	82,921	98,682	101,898	130,194	150,091	147,553	170,755	189,123	213,517	234,906
Milam	39,666	36,780	38,104	37,915	33,120	23,585	22,263	20,028	22,732	22,946	24,238	24,757
Nolan	2,611	11,999	10,868	19,323	17,309	19,808	18,963	16,220	17,359	16,594	15,802	15,216
Palo Pinto	12,291	19,506	23,431	17,576	18,456	17,154	20,516	28,962	24,062	25,055	27,026	28,111
Robertson	31,480	27,454	27,933	27,240	25,710	19,908	16,157	14,389	14,653	15,511	16,000	16,622
Shackelford	2,461	4,201	4,960	6,695	6,211	5,001	3,990	3,323	3,915	3,316	3,302	3,378
Somervell	3,498	3,931	3,563	3,016	3,071	2,542	2,577	2,793	4,154	5,360	6,809	8,490
Stephens	6,466	7,980	15,403	16,560	12,356	10,597	8,885	8,414	9,926	9,010	9,674	9,630
Stonewall	2,183	5,320	4,086	5,667	5,589	3,679	3,017	2,397	2,406	2,013	1,693	1,490



**Table A-1 Concluded BGRWPA Historical Population**

Historical Population <sup>1</sup>												
County	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000	2010
Taylor	10,499	26,293	24,081	41,023	44,147	63,370	101,078	97,853	110,932	119,655	126,551	131,506
Throckmorton	1,750	4,563	3,589	5,253	4,275	3,618	2,767	2,205	2,053	1,880	1,850	1,641
Washington	32,931	25,561	26,624	25,394	25,387	20,542	19,145	18,842	21,998	26,154	30,373	33,718
Williamson	38,072	42,228	42,934	44,146	41,698	38,853	35,044	37,305	76,521	139,551	211,474	367,234
Young	6,540	13,657	13,379	20,128	19,004	16,810	17,254	15,400	19,001	18,126	13,989	14,804
<b>Region G Total</b>	<b>680,093</b>	<b>802,012</b>	<b>849,801</b>	<b>871,571</b>	<b>833,387</b>	<b>821,013</b>	<b>855,217</b>	<b>895,682</b>	<b>1,130,823</b>	<b>1,350,811</b>	<b>1,621,961</b>	<b>1,975,834</b>
% Change Annual		17.9%	6.0%	2.6%	-4.4%	-1.5%	4.2%	4.7%	26.3%	19.5%	20.1%	21.8%
Growth Rate		1.70%	0.60%	0.30%	-0.40%	-0.10%	0.40%	0.50%	2.40%	1.80%	1.80%	1.99%
State Total	3,048,710	3,896,542	4,663,228	5,824,715	6,414,824	7,711,194	9,579,677	11,196,730	14,229,191	16,986,510	20,851,820	24,915,388
% Change Annual		27.8%	19.7%	24.9%	10.1%	20.2%	24.2%	16.9%	27.1%	19.4%	22.8%	19.5%
Growth Rate		2.50%	1.80%	2.20%	1.00%	1.90%	2.20%	1.60%	2.40%	1.80%	2.10%	

<sup>1</sup>Historical population data from U.S. Census Bureau

**Table A-2 BGRWPA Historical Population by Subregion**

Sub-Region/ County	Historical Population <sup>1</sup>											
	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000	2010
Rolling Plains												
Bosque	17,390	19,013	18,032	15,750	15,761	11,836	10,809	10,966	13,401	15,125	17,204	18,212
Callahan	8,768	12,973	11,844	12,785	11,568	9,087	7,929	8,205	10,992	11,859	12,905	13,544
Comanche	23,009	27,186	25,748	18,430	19,245	15,516	11,865	11,898	12,617	13,381	14,026	13,974
Coryell	21,308	21,703	20,601	19,999	20,226	16,284	23,961	35,311	56,767	64,213	74,978	75,388
Eastland	17,971	23,421	58,505	34,156	30,345	23,942	19,526	18,092	19,480	18,488	18,297	18,583
Erath	29,966	32,095	28,385	20,804	20,760	18,434	16,236	18,141	22,560	27,991	33,001	37,890
Fisher	2,708	12,596	11,009	13,563	12,932	11,023	7,865	6,344	5,891	4,842	4,344	3,974
Hamilton	13,520	15,315	14,676	13,523	13,303	10,660	8,488	7,198	8,297	7,733	8,229	8,517
Haskell	2,637	16,249	14,193	16,669	14,905	13,736	11,174	8,512	7,725	6,820	6,093	5,899
Hood	9,146	10,008	8,759	6,779	6,674	5,287	5,443	6,368	17,714	28,981	41,100	51,182
Jones	7,053	24,299	22,323	24,233	23,378	22,147	19,299	16,106	17,268	16,490	20,785	20,202
Kent	899	2,655	3,335	3,851	3,413	2,249	1,727	1,434	1,145	1,010	859	808
Knox	2,322	9,625	9,240	11,368	10,090	10,082	7,857	5,972	5,329	4,837	4,253	3,719
Lampasas	8,625	9,532	8,800	8,677	9,167	9,929	9,418	9,323	12,005	13,521	17,762	19,677
Nolan	2,611	11,999	10,868	19,323	17,309	19,808	18,963	16,220	17,359	16,594	15,802	15,216
Palo Pinto	12,291	19,506	23,431	17,576	18,456	17,154	20,516	28,962	24,062	25,055	27,026	28,111
Shackelford	2,461	4,201	4,960	6,695	6,211	5,001	3,990	3,323	3,915	3,316	3,302	3,378
Somervell	3,498	3,931	3,563	3,016	3,071	2,542	2,577	2,793	4,154	5,360	6,809	8,490
Stephens	6,466	7,980	15,403	16,560	12,356	10,597	8,885	8,414	9,926	9,010	9,674	9,630
Stonewall	2,183	5,320	4,086	5,667	5,589	3,679	3,017	2,397	2,406	2,013	1,693	1,490
Taylor	10,499	26,293	24,081	41,023	44,147	63,370	101,078	97,853	110,932	119,655	126,551	131,506
Throckmorton	1,750	4,563	3,589	5,253	4,275	3,618	2,767	2,205	2,053	1,880	1,850	1,641
Young	6,540	13,657	13,379	20,128	19,004	16,810	17,254	15,400	19,001	18,126	13,989	14,804
<b>Totals</b>	<b>213,621</b>	<b>334,120</b>	<b>358,810</b>	<b>355,828</b>	<b>342,185</b>	<b>322,791</b>	<b>340,644</b>	<b>341,437</b>	<b>404,999</b>	<b>436,300</b>	<b>480,532</b>	<b>505,835</b>



**Table A-2 Concluded BGRWPA Historical Population by Subregion**

Sub-Region/ County	Historical Population <sup>1</sup>											
	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000	2010
IH-35 Corridor												
Bell	45,535	49,186	46,412	50,030	44,863	73,824	94,097	124,483	157,889	191,088	237,974	310,235
Hill	41,355	46,760	43,332	43,036	38,355	31,282	23,650	22,596	25,024	27,146	32,321	35,089
Johnson	33,819	24,460	37,286	33,317	30,384	31,390	34,720	45,769	67,649	97,165	126,811	150,934
McLennan	59,772	73,250	82,921	98,682	101,898	130,194	150,091	147,553	170,755	189,123	213,517	234,906
Williamson	38,072	42,228	42,934	44,146	41,698	38,853	35,044	37,305	76,521	139,551	211,474	367,234
<b>Totals</b>	<b>218,553</b>	<b>235,884</b>	<b>252,885</b>	<b>269,211</b>	<b>257,198</b>	<b>305,543</b>	<b>337,602</b>	<b>377,706</b>	<b>497,838</b>	<b>644,073</b>	<b>822,097</b>	<b>1,098,398</b>
Lower Basin												
Brazos	18,859	18,919	21,975	21,835	26,977	38,390	44,895	57,978	93,588	121,862	152,415	194,851
Burleson	18,367	18,687	16,855	19,848	18,334	13,000	11,177	9,999	12,313	13,625	16,470	17,187
Falls	33,342	35,649	36,217	38,771	35,984	26,724	21,263	17,300	17,946	17,712	18,576	17,866
Grimes	26,106	21,205	23,101	22,642	21,960	15,135	12,709	11,855	13,580	18,828	23,552	26,604
Lee	14,595	13,132	14,014	13,390	12,751	10,144	8,949	8,048	10,952	12,854	15,657	16,612
Limestone	32,573	34,621	33,283	39,497	33,781	25,251	20,413	18,100	20,224	20,946	22,051	23,384
Milam	39,666	36,780	38,104	37,915	33,120	23,585	22,263	20,028	22,732	22,946	24,238	24,757
Robertson	31,480	27,454	27,933	27,240	25,710	19,908	16,157	14,389	14,653	15,511	16,000	16,622
Washington	32,931	25,561	26,624	25,394	25,387	20,542	19,145	18,842	21,998	26,154	30,373	33,718
<b>Totals</b>	<b>247,919</b>	<b>232,008</b>	<b>238,106</b>	<b>246,532</b>	<b>234,004</b>	<b>192,679</b>	<b>176,971</b>	<b>176,539</b>	<b>227,986</b>	<b>270,438</b>	<b>319,332</b>	<b>371,601</b>
<b>Region G Total</b>	<b>680,093</b>	<b>802,012</b>	<b>849,801</b>	<b>871,571</b>	<b>833,387</b>	<b>821,013</b>	<b>855,217</b>	<b>895,682</b>	<b>1,130,823</b>	<b>1,350,811</b>	<b>1,621,961</b>	<b>1,975,834</b>

<sup>1</sup>Historical population data from U.S. Census Bureau

**Table A-3 Historical Use by Source**

Water Source	Year					
	1980	1990	2000	2010	2016	2017
Groundwater	270,270	280,840	356,557	436,860	393,398	432,527
Surface Water	274,999	300,680	406,990	416,309	421,867	445,650
<b>Region Total</b>	<b>545,269</b>	<b>581,520</b>	<b>763,547</b>	<b>853,169</b>	<b>815,265</b>	<b>878,177</b>

**Table A-4 Historical Groundwater Pumping by Aquifer**

Aquifer	Year					
	1980	1990	2000	2010	2016	2017
Brazos Alluvium	29,426	36,528	23,070	129,064	110,859	133,065
Carrizo-Wilcox	32,111	55,759	96,156	40,055	40,611	40,089
Dockum	2,067	2,071	4,884	8,440	12,140	14,326
Edwards-BFZ	9,428	12,314	34,372	18,744	15,589	13,696
Edwards-TP	1,607	1,486	303	2,545	1,730	2,166
Gulf Coast	3,326	4,870	7,251	4,162	2,907	2,708
Queen City	1,556	1,707	2,132	2,813	2,356	2,676
Seymour	94,996	60,795	101,710	62,601	66,934	76,405
Sparta	1,042	1,423	1,595	4,445	4,948	4,529
Trinity	80,601	92,655	90,180	61,816	70,511	72,121
Woodbine	1,635	1,024	1,363	912	476	405
Yegua-Jackson				3,600	3,021	3,079
Blaine				406	279	335
Ellenburger-San Saba				28	17	18
Marble Falls				20	23	23
Ogallala				7	1	1
Other-Undiff	13,472	9,757	6,999	84,948	61,638	66,817
<b>Region Total</b>	<b>271,267</b>	<b>280,389</b>	<b>370,015</b>	<b>424,606</b>	<b>394,040</b>	<b>432,459</b>





**Table A-5 BGRWPA Reservoirs (Permit Capacity Greater than 2,500 acft)**

Reservoir	Stream	County	Permitted Storage (acft)	Permitted Diversion (Acft/yr)					Owner	Water Right Holders (Greater Than 1,000 acft) <sup>1</sup>
				Municipal <sup>4</sup>	Industrial	Irrigation	Other	Total		
Abilene	Elm Creek	Taylor	11,868	1,675	0	0	0	1,675	City of Abilene	City of Abilene
Alcoa Lake	Sandy Creek	Milam	15,650	0	14,000	0	0	14,000	Aluminum Co. of America	Aluminum Co. of America
Alvarado	Turkey Creek	Johnson	4,781	500	300	0	0	800	City of Alvarado	
Anson North	Thompson Creek	Jones	2,500	542	0	0	0	542	City of Anson	
Aquilla	Aquilla Creek	Hill	52,400	13,896	0	0	0	13,896	U.S. Army Corps of Engineers	Brazos River Authority
Belton	Leon River	Bell	469,600	130,257	0	0	0	130,257	U.S. Army Corps of Engineers	U.S. Army Corps of Engineers, Brazos River Authority
Brusy Creek <sup>3</sup>	Brazos River	Falls	6,560	0	0	0	0	0	City of Marlin	
Camp Creek	Camp Creek	Robertson	8,400	0	0	0	0	0	Camp Creek Water Co.	
Cisco	Sandy Creek	Eastland	45,000	1,971	56	0	0	2,027	City of Cisco	City of Cisco
Cleburne	Nolan River	Johnson	25,600	5,760	0	240	0	6,000	City of Cleburne	City of Cleburne
Clyde	North Prong Pecan Creek	Callahan	5,748	1,000	0	0	0	1,000	City of Clyde	City of Clyde
Squaw Creek Reservoir <sup>2</sup>	Squaw Creek	Somervell	151,500	0	23,180	0	0	23,180	TXU Electric Co.	TXU Electric Co.
Daniel	Gonzales Creek	Stephens	11,400	2,100	0	0	0	2,100	City of Breckenridge	City of Breckenridge
Dansby Power Plant <sup>2</sup>	Thompsons Creek	Brazos	15,227	0	850	0	0	850	City of Bryan	City of Bryan
Davis/Catherine	Dutchmen Creek	Knox	7,479	0	0	2,031	0	2,031	League Ranch	League Ranch
Fort Parker	Navasota River	Limestone	3,100	0	0	6	0	6	Texas Parks and Wildlife Dept.	
Fort Phantom Hill	Elm Creek	Jones	73,960	25,690	6,500	1,000		33,190	City of Abilene	City of Abilene, AEP Texas
Georgetown	North Fork San Gabriel River	Williamson	37,100	13,610	0	0	0	13,610	U.S. Army Corps of Engineers	Brazos River Authority
Gibbons Creek	Gibbons Creek	Grimes	32,084	0	9,740	0	0	9,740	Texas Municipal Power Agency	Texas Municipal Power Agency
Graham/Eddleman	Flint Creek	Young	52,386	11,000	8,400	100	500	20,000	City of Graham	City of Graham
Granbury	Brazos River	Hood	155,000	64,712	0	0	0	64,712	Brazos River Authority	Brazos River Authority
Granger	San Gabriel River	Williamson	65,500	19,840	0	0	0	19,840	U.S. Army Corps of Engineers	Brazos River Authority
Hubbard Creek	Hubbard Creek	Stephens	317,750	56,000	0	0	0	56,000	West Central Texas MWD	West Central Texas MWD
Kirby	Cedar Creek	Taylor	8,500	3,880	0	0	0	3,880	City of Abilene	City of Abilene
Lake Creek	Brazos River	McLennan	8,500	0	10,000	0	0	10,000	Luminant Generation Co.	Luminant Generation Co.
Leon	Leon River	Eastland	28,000	5,450	350	500	0	6,300	Eastland Co. WSD	Eastland Co. WSD
Limestone	Navasota River	Robertson	225,400	65,074	0	0	0	65,074	Brazos River Authority	Brazos River Authority
McCarty	Salt Prong	Shackelford	2,600	600	0	0	0	600	City of Albany	
Mexia	Navasota River	Limestone	9,600	2,887	65	0	0	2,952	Bistone MWSD	Bistone MWSD
Millers Creek Lake	Millers Creek	Baylor	30,696	3,500	1,000	0	500	5,000	North Central Texas MWD	North Central Texas MWD

**Table A-5 Concluded BGRWPA Reservoirs (Permit Capacity Greater than 2,500 acft)**

Reservoir	Stream	County	Permitted Storage (acft)	Permitted Diversion (Acft/yr)					Owner	Water Right Holders (Greater Than 1,000 acft) <sup>1</sup>
				Municipal <sup>4</sup>	Industrial	Irrigation	Other	Total		
New Marlin <sup>3</sup>	Brazos River	Falls	3,135	6,000	2,000	0	0	8,000	City of Marlin	City of Marlin
Palo Pinto	Palo Pinto Creek	Palo Pinto	44,124	12,500	6,000	0	0	18,500	Palo Pinto MWD	Palo Pinto MWD
Possum Kingdom	Brazos River	Palo Pinto	724,739	230,750	0	0	0	230,750	Brazos River Authority	Brazos River Authority
Proctor	Leon River	Comanche	59,400	19,658	0	0	0	19,658	U.S. Army Corps of Engineers	Brazos River Authority
Robinson Off-Channel Reservoirs	Brazos River	McLennan	8,037	13,100	0	0	0	13,100	City of Robinson	City of Robinson
E-Area End Lake	Yegua Creek	Milam	7,173	0		0	0	0	Aluminum Co. of America	Aluminum Co. of America
Somerville	Yegua Creek	Washington	160,110	48,000	0	0	0	48,000	U.S. Army Corps of Engineers	Brazos River Authority
Stamford	Paint Creek	Haskell	60,000	10,000	0	0	0	10,000	City of Stamford	City of Stamford
Stillhouse Hollow	Lampasas River	Bell	235,700	67,768	0	0	0	67,768	U.S. Army Corps of Engineers	Brazos River Authority
Sweetwater	Cottonwood Creek	Nolan	10,000	2,730	960	50	0	3,740	City of Sweetwater	City of Sweetwater
Tradinghouse	Brazos River	McLennan	37,800	0	15,000	0	0	15,000	Tradinghouse Power Co. LLC	Tradinghouse Power Co. LLC
Trammel	Sweetwater Creek	Nolan	2,500	2,000	0	0	0	2,000	City of Sweetwater	City of Sweetwater
Truscott Brine <sup>5</sup>	Bluff Creek	Knox	107,000	0	0	0	0	0	Red River Authority of Texas	
Twin Oak <sup>2</sup>	Duck Creek	Robertson	30,319		13,200			13,200	TXU Electric Co.	TXU Electric Co.
Lake Brazos	Brazos River	McLennan	3,537	5,600	0	0	0	5,600	City of Waco	City of Waco
Waco	Bosque River	McLennan	192,062	78,969	16,802	900	0	96,671	City of Waco	City of Waco
Wheeler Branch	Wheeler Branch	Somervell	4,118	2,000	0	0	0	2,000	Somervell County Water Distri	Somervell County Water District
Whitney <sup>6</sup>	Brazos River	Hill	50,000	18,336	0	0	0	18,336	U.S. Army Corps of Engineers	Brazos River Authority

<sup>1</sup>Reservoir information obtained from water rights listing provided by the TCEQ. Permitted Diversions shown do not include diversions permitted under the BRA System Operations permit. <sup>2</sup>Only a portion of the permitted diversion is consumptive. Of the total 118,947 acft/yr permitted for these facilities, 44,570 acft/yr is consumptive. <sup>3</sup>This reservoir has not been constructed. Diversion authorization are associated with New Marlin Reservoir. <sup>4</sup>Multipurpose authorizations are reported in the highest category of use. <sup>5</sup>Only one of the two authorized reservoirs constructed. <sup>6</sup>Total storage of Lake Whitney is over 600,000 acft. BRA has the only priority water right in the conservation storage of the reservoir.



**Table A-6 Permitted Surface Water Diversions**

County	Permitted Diversions (acft/yr)					
	Municipal	Industrial	Irrigation	Mining	Other	Total
Bell	215,829	2	5,171	138	5	221,145
Bosque	3,940	5	9,099	0	0	13,044
Brazos	27,163	55,708	12,597	0	0	95,468
Burleson	0	420	8,040	0	1,000	9,460
Callahan	1,550	0	1,042	0	0	2,592
Comanche	19,858	11	12,258	0	0	32,127
Coryell	0	0	1,994	0	0	1,994
Eastland	8,871	556	2,315	1,607	0	13,349
Erath	80	0	4,763	30	25	4,898
Falls	6,339	2,000	6,537	0	0	14,876
Fisher	0	26	724	0	0	750
Grimes	0	16,050	2,193	200	0	18,443
Hamilton	614	3	3,331	0	0	3,947
Haskell	10,000	0	1,316	0	0	11,316
Hill	57,232	25,000	1,493	0	0	83,725
Hood	64,747	0	3,901	0	0	68,648
Johnson	6,980	300	903	125	0	8,308
Jones	59,532	4,007	7,420	383	0	71,342
Kent	0	0	554	5,900	0	6,454
Knox	34	0	2,233	235	0	2,502
Lampasas	4,642	48	2,370	0	0	7,060
Lee	0	0	182	0	0	182
Limestone	5,547	67	14	1,000	0	6,628
McLennan	98,224	53,876	7,350	0	0	159,450
Milam	2,792	33,512	7,884	0	0	44,188
Nolan	5,740	45	636	0	0	6,421
Palo Pinto	243,870	6,012	3,661	41	0	253,584
Robertson	65,074	13,200	9,730	685	480	89,169
Shackelford	774	50	138	0	0	962
Somervell	5,000	23,180	764	0	0	28,944
Stephens	58,100	97	1,078	218	0	59,493
Stonewall	0	0	8	235	0	243
Taylor	5,785	3,509	1,106	0	50	10,450
Throckmorton	660	0	9	0	0	669
Washington	97,500	50,020	50,002	500	0	198,022
Williamson	88,760	30,003	6,369	858	0	125,990
Young	11,250	8,509	1,304	600	0	21,663
<b>Region Total</b>	<b>1,176,487</b>	<b>326,216</b>	<b>180,488</b>	<b>12,755</b>	<b>1,560</b>	<b>1,697,506</b>

**Table A-7 Historical Use (acft/yr) by County**

County	Year					
	1980	1990	2000	2010	2016	2017
Bell	31,507	35,866	49,886	57,523	59,028	60,352
Bosque	4,893	5,403	7,808	10,210	7,945	8,620
Brazos	29,300	41,264	39,097	71,551	74,249	79,363
Burleson	9,508	9,956	22,165	32,085	20,551	30,629
Callahan	3,608	3,396	3,378	3,066	2,083	2,234
Comanche	31,034	54,850	42,113	30,602	28,506	33,182
Coryell	11,898	11,202	18,044	16,185	14,024	13,976
Eastland	19,781	16,491	20,512	9,182	6,157	6,772
Erath	21,190	19,902	24,991	18,486	16,095	18,309
Falls	10,103	10,966	7,585	12,986	10,544	12,425
Fisher	5,075	4,630	4,358	6,231	4,141	4,646
Grimes	3,534	15,969	10,195	20,362	14,489	13,412
Hamilton	4,090	4,476	3,818	4,059	3,304	4,186
Haskell	43,140	24,172	52,851	37,570	42,051	46,366
Hill	5,648	5,286	6,553	10,095	8,136	8,116
Hood	8,513	15,605	12,864	19,315	16,272	17,815
Johnson	12,672	15,182	26,025	28,517	24,334	24,867
Jones	14,803	9,703	10,540	5,587	5,491	5,201
Kent	1,607	1,916	1,649	1,344	1,098	1,151
Knox	51,309	33,774	44,926	30,338	29,736	36,119
Lampasas	3,983	3,350	5,557	3,853	4,672	4,620
Lee	3,957	4,677	5,876	7,429	4,364	5,073
Limestone	4,800	9,766	27,494	32,474	21,366	21,279
McLennan	70,528	58,934	74,850	56,616	66,864	68,621
Milam	19,935	32,134	59,275	42,897	32,465	30,337
Nolan	9,719	7,389	10,170	10,847	14,773	16,614
Palo Pinto	8,749	7,067	8,302	13,035	7,558	9,265
Robertson	24,856	25,504	25,394	122,268	105,778	123,708
Shackelford	1,963	2,072	2,413	1,585	1,335	1,203
Somervell	1,578	11,424	20,101	24,879	67,795	68,495
Stephens	9,094	3,597	10,231	3,230	1,920	1,964
Stonewall	1,461	1,719	1,129	910	614	695
Taylor	32,040	31,573	43,122	23,999	24,756	25,550
Throckmorton	838	1,475	1,145	805	665	946
Washington	5,444	6,397	8,815	7,505	6,291	6,789
Williamson	16,471	27,458	44,125	71,868	84,636	88,785
Young	6,640	6,975	6,190	3,676	4,751	4,426
<b>Region Total</b>	<b>545,269</b>	<b>581,520</b>	<b>763,547</b>	<b>853,170</b>	<b>838,837</b>	<b>906,111</b>



**Table A-8 Historical Water Use (acft/yr) by Type**

Use Type	Year					
	1980	1990	2000	2010	2016	2017
Municipal	215,744	236,955	319,141	326,414	346,937	362,506
Manufacturing	21,124	32,240	56,993	46,131	9,804	10,821
Power	28,686	57,657	86,963	76,545	154,706	153,229
Mining	11,413	6,944	15,008	53,383	8,666	13,730
Irrigation	229,387	200,954	232,991	298,754	267,635	315,648
Livestock	38,915	46,770	52,451	51,943	43,860	44,035
<b>Region Total</b>	<b>545,269</b>	<b>581,520</b>	<b>763,547</b>	<b>853,170</b>	<b>831,608</b>	<b>899,969</b>

**Table A-9 Historical Water Use by County, Source and Type**

County	Water Source	Use Type						County Total	Percent of Total
		Municipal	Manufacturing	Mining	Power	Irrigation	Livestock		
Bell	G	2,663	13	11	0	817	218	3,722	6.5%
	S	49,988	604	0	0	2,653	509	53,754	93.5%
	Total	52,651	617	11	0	3,470	727	57,476	100%
Bosque	G	2,568	2	0	1	2,281	285	5,137	60%
	S	173	13	0	2,294	338	665	3,483	40%
	Total	2,741	15	0	2,295	2,619	950	8,620	100%
Brazos	G	36,810	1,418	345	63	35,261	406	74,303	96%
	S	367	0	38	301	1,609	754	3,069	4%
	Total	37,177	1,418	383	364	36,870	1,160	77,372	100%
Burleson	G	2,650	35	3,927	0	20,860	308	27,780	94%
	S	0	0	436	0	604	718	1,758	6%
	Total	2,650	35	4,363	0	21,464	1,026	29,538	100%
Callahan	G	317	0	0	0	239	216	772	35%
	S	809	0	0	0	5	648	1,462	65%
	Total	1,126	0	0	0	244	864	2,234	100%
Comanche	G	185	2	0	0	18,251	958	19,396	58%
	S	1,529	8	0	0	9,375	2,874	13,786	42%
	Total	1,714	10	0	0	27,626	3,832	33,182	100%
Coryell	G	629	0	0	0	364	148	1,141	8%
	S	11,823	2	0	0	0	840	12,665	92%
	Total	12,452	2	0	0	364	988	13,806	100%
Eastland	G	187	0	0	0	3,418	40	3,645	54%
	S	1,677	38	284	0	310	756	3,065	46%
	Total	1,864	38	284	0	3,728	796	6,710	100%



**Table A-9 Historical Water Use by County, Source and Type (Continued)**

County	Water Source	Use Type						County Total	Percent of Total
		Municipal	Manufacturing	Mining	Power	Irrigation	Livestock		
Erath	G	3,881	63	0	0	7,050	2,050	13,044	71%
	S	400	0	0	0	82	4,783	5,265	29%
	Total	4,281	63	0	0	7,132	6,833	18,309	100%
Falls	G	1,310	0	0	0	6,661	303	8,274	67%
	S	2,023	0	0	0	412	1,716	4,151	33%
	Total	3,333	0	0	0	7,073	2,019	12,425	100%
Fisher	G	348	166	0	0	3,543	137	4,194	90%
	S	247	0	0	0	0	205	452	10%
	Total	595	166	0	0	3,543	342	4,646	100%
Grimes	G	2,982	230	0	1	399	319	3,931	29%
	S	0	0	0	8,651	0	746	9,397	71%
	Total	2,982	230	0	8,652	399	1,065	13,328	100%
Hamilton	G	441	0	0	0	1,288	260	1,989	48%
	S	722	0	0	0	0	1,475	2,197	52%
	Total	1,163	0	0	0	1,288	1,735	4,186	100%
Haskell	G	110	0	0	0	45,057	138	45,305	98%
	S	737	2	0	0	0	322	1,061	2%
	Total	847	2	0	0	45,057	460	46,366	100%
Hill	G	3,605	0	2	0	333	63	4,003	49%
	S	2,204	0	0	0	720	1,189	4,113	51%
	Total	5,809	0	2	0	1,053	1,252	8,116	100%
Hood	G	5,995	13	0	14	2,991	190	9,203	16%
	S	1,450	393	142	1,828	46,008	231	50,052	84%
	Total	7,445	406	142	1,842	48,999	421	59,255	100%

**Table A-9 Historical Water Use by County, Source and Type (Continued)**

County	Water Source	Use Type						County Total	Percent of Total
		Municipal	Manufacturing	Mining	Power	Irrigation	Livestock		
Johnson	G	5,775	1,038	32	0	86	421	7,352	30%
	S	14,421	878	106	186	526	982	17,099	70%
	Total	20,196	1,916	138	186	612	1,403	24,451	100%
Jones	G	944	0	0	0	1,937	142	3,023	59%
	S	1,587	0	0	0	294	263	2,144	41%
	Total	2,531	0	0	0	2,231	405	5,167	100%
Kent	G	103	0	0	0	756	263	1,122	97%
	S	0	0	0	0	0	29	29	3%
	Total	103	0	0	0	756	292	1,151	100%
Knox	G	211	0	0	0	34,970	91	35,272	98%
	S	479	0	0	0	0	368	847	2%
	Total	690	0	0	0	34,970	459	36,119	100%
Lampasas	G	114	0	0	0	112	189	415	9%
	S	3,685	36	46	0	83	353	4,203	91%
	Total	3,799	36	46	0	195	542	4,618	100%
Lee	G	2,266	8	699	0	692	398	4,063	81%
	S	0	0	24	0	0	927	951	19%
	Total	2,266	8	723	0	692	1,325	5,014	100%
Limestone	G	1,759	16	149	628	0	14	2,566	13%
	S	659	7	405	15,141	0	1,392	17,604	87%
	Total	2,418	23	554	15,769	0	1,406	20,170	100%
McLennan	G	12,350	1,340	0	0	1,747	269	15,706	27%
	S	35,647	1,901	1	0	3,287	1,527	42,363	73%
	Total	47,997	3,241	1	0	5,034	1,796	58,069	100%





**Table A-9 Historical Water Use by County, Source and Type (Continued)**

County	Water Source	Use Type						County Total	Percent of Total
		Municipal	Manufacturing	Mining	Power	Irrigation	Livestock		
Milam	G	4,664	0	103	841	5,208	480	11,296	37%
	S	4,390	0	11	13,183	308	1,120	19,012	63%
	Total	9,054	0	114	14,024	5,516	1,600	30,308	100%
Nolan	G	1,501	297	0	0	14,046	148	15,992	97%
	S	269	136	0	0	30	98	533	3%
	Total	1,770	433	0	0	14,076	246	16,525	100%
Palo Pinto	G	121	0	0	0	564	78	763	8%
	S	4,681	0	0	296	2,041	1,423	8,441	92%
	Total	4,802	0	0	296	2,605	1,501	9,204	100%
Robertson	G	2,208	35	3,011	5,232	74,946	620	86,052	70%
	S	0	0	2	34,901	1,302	1,446	37,651	30%
	Total	2,208	35	3,013	40,133	76,248	2,066	123,703	100%
Shackelford	G	3	0	0	0	117	5	125	10%
	S	574	0	2	0	0	502	1,078	90%
	Total	577	0	2	0	117	507	1,203	100%
Somervell	G	510	3	232	1	117	41	904	1%
	S	859	0	51	66,253	333	95	67,591	99%
	Total	1,369	3	283	66,254	450	136	68,495	100%
Stephens	G	22	0	1	0	45	40	108	5%
	S	1,376	7	2	0	111	360	1,856	95%
	Total	1,398	7	3	0	156	400	1,964	100%

**Table A-9 Historical Water Use by County, Source and Type (Concluded)**

County	Water Source	Use Type						County Total	Percent of Total
		Municipal	Manufacturing	Mining	Power	Irrigation	Livestock		
Stonewall	G	107	0	1	0	89	335	532	77%
	S	79	0	0	0	0	84	163	23%
	Total	186	0	1	0	89	419	695	100%
Taylor	G	750	3	0	0	860	109	1,722	7%
	S	21,206	488	0	0	15	616	22,325	93%
	Total	21,956	491	0	0	875	725	24,047	100%
Throckmorton	G	4	0	47	0	50	0	101	11%
	S	124	0	12	0	0	704	840	89%
	Total	128	0	59	0	50	704	941	100%
Washington	G	1,517	194	294	0	200	168	2,373	35%
	S	2,707	81	33	0	0	1,506	4,327	65%
	Total	4,224	275	327	0	200	1,674	6,700	100%
Williamson	G	14,109	42	1,038	0	272	420	15,881	18%
	S	70,163	450	8	0	291	980	71,892	82%
	Total	84,272	492	1,046	0	563	1,400	87,773	100%
Young	G	183	0	0	0	46	135	364	8%
	S	2,584	50	1	274	614	539	4,062	92%
	Total	2,767	50	1	274	660	674	4,426	100%