

Appendix 3-A

Water Availability DB17 Report

The following appendix includes a copy of the Water Availability data from the TWDB Data Web Interface known as the DB17. The summary is divided by source, county, basin, and salinity.

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Source Availability

REGION I									
GROUNDWATER	COUNTY	BASIN	SALINITY	SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
				2020	2030	2040	2050	2060	2070
CARRIZO-WILCOX AQUIFER	ANDERSON	NECHES	FRESH	4,393	4,393	4,393	4,393	4,393	4,393
CARRIZO-WILCOX AQUIFER	ANDERSON	TRINITY	FRESH	5,684	5,684	5,684	5,684	5,684	5,684
CARRIZO-WILCOX AQUIFER	ANGELINA	NECHES	FRESH	26,414	26,414	26,414	26,414	26,414	26,414
CARRIZO-WILCOX AQUIFER	CHEROKEE	NECHES	FRESH	11,222	11,222	11,222	11,222	11,222	11,222
CARRIZO-WILCOX AQUIFER	HENDERSON	NECHES	FRESH	3,999	3,999	3,999	3,999	3,999	3,999
CARRIZO-WILCOX AQUIFER	HOUSTON	NECHES	FRESH	1,924	1,924	1,924	1,924	1,924	1,924
CARRIZO-WILCOX AQUIFER	HOUSTON	TRINITY	FRESH	3,432	3,432	3,432	3,432	3,432	3,432
CARRIZO-WILCOX AQUIFER	NACOGDOCHES	NECHES	FRESH	21,385	21,385	21,385	21,385	21,385	21,385
CARRIZO-WILCOX AQUIFER	PANOLA	CYPRESS	FRESH	6	6	6	6	6	6
CARRIZO-WILCOX AQUIFER	PANOLA	SABINE	FRESH	8,221	8,221	8,063	8,063	8,063	8,063
CARRIZO-WILCOX AQUIFER	RUSK	NECHES	FRESH	11,776	11,766	11,766	11,766	11,747	11,747
CARRIZO-WILCOX AQUIFER	RUSK	SABINE	FRESH	9,067	9,067	9,067	9,067	9,067	9,067
CARRIZO-WILCOX AQUIFER	SABINE	NECHES	FRESH	1,254	1,254	1,254	1,254	1,254	1,254
CARRIZO-WILCOX AQUIFER	SABINE	SABINE	FRESH	5,604	5,604	5,604	5,604	5,604	5,604
CARRIZO-WILCOX AQUIFER	SAN AUGUSTINE	NECHES	FRESH	1,490	1,490	1,490	1,490	1,490	1,490
CARRIZO-WILCOX AQUIFER	SAN AUGUSTINE	SABINE	FRESH	291	291	291	291	291	291
CARRIZO-WILCOX AQUIFER	SHELBY	NECHES	FRESH	2,736	2,578	2,288	2,152	2,019	2,019
CARRIZO-WILCOX AQUIFER	SHELBY	SABINE	FRESH	8,481	8,323	8,159	8,159	7,710	7,710
CARRIZO-WILCOX AQUIFER	SMITH	NECHES	FRESH	21,004	21,004	21,004	21,004	21,004	21,004
CARRIZO-WILCOX AQUIFER	TRINITY	NECHES	FRESH	1,114	1,114	1,114	1,114	1,114	1,114
GULF COAST AQUIFER	HARDIN	NECHES	FRESH	34,821	34,821	34,821	34,821	34,821	34,821
GULF COAST AQUIFER	HARDIN	TRINITY	FRESH	138	138	138	138	138	138
GULF COAST AQUIFER	JASPER	NECHES	FRESH	37,620	37,541	37,541	37,541	37,541	37,541
GULF COAST AQUIFER	JASPER	SABINE	FRESH	29,953	29,953	29,953	29,953	29,953	29,953
GULF COAST AQUIFER	JEFFERSON	NECHES	FRESH	804	804	804	804	804	804
GULF COAST AQUIFER	JEFFERSON	NECHES-TRINITY	FRESH	1,641	1,641	1,641	1,641	1,641	1,641
GULF COAST AQUIFER	NEWTON	NECHES	FRESH	176	176	176	176	176	176
GULF COAST AQUIFER	NEWTON	SABINE	FRESH	34,001	33,963	33,963	33,963	33,963	33,963
GULF COAST AQUIFER	ORANGE	NECHES	FRESH	3,925	3,925	3,925	3,925	3,925	3,925
GULF COAST AQUIFER	ORANGE	NECHES-TRINITY	FRESH	256	256	256	256	256	256
GULF COAST AQUIFER	ORANGE	SABINE	FRESH	15,832	15,832	15,832	15,832	15,832	15,832
GULF COAST AQUIFER	POLK	NECHES	FRESH	11,886	11,886	11,886	11,276	11,224	11,224

Source Availability

REGION I									
GROUNDWATER	COUNTY	BASIN	SALINITY	SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
				2020	2030	2040	2050	2060	2070
GULF COAST AQUIFER	TYLER	NECHES	FRESH	38,199	38,156	38,156	38,156	38,156	38,156
OTHER AQUIFER UNDIFFERENTIATED	ANDERSON	TRINITY	FRESH	298	298	298	298	298	298
OTHER AQUIFER UNDIFFERENTIATED	ANGELINA	NECHES	FRESH	812	812	812	812	812	812
OTHER AQUIFER UNDIFFERENTIATED	CHEROKEE	NECHES	FRESH	268	268	268	268	268	268
OTHER AQUIFER UNDIFFERENTIATED	HENDERSON	NECHES	FRESH	5	5	5	5	5	5
OTHER AQUIFER UNDIFFERENTIATED	HENDERSON	TRINITY	FRESH	680	680	680	680	680	680
OTHER AQUIFER UNDIFFERENTIATED	HOUSTON	NECHES	FRESH	378	378	378	378	378	378
OTHER AQUIFER UNDIFFERENTIATED	HOUSTON	TRINITY	FRESH	888	888	888	888	888	888
OTHER AQUIFER UNDIFFERENTIATED	NACOGDOCHES	NECHES	FRESH	1,131	1,131	1,131	1,131	1,131	1,131
OTHER AQUIFER UNDIFFERENTIATED	POLK	NECHES	FRESH	1,270	1,270	1,270	1,270	1,270	1,270
OTHER AQUIFER UNDIFFERENTIATED	RUSK	NECHES	FRESH	270	270	270	270	270	270
OTHER AQUIFER UNDIFFERENTIATED	RUSK	SABINE	FRESH	469	469	469	469	469	469
OTHER AQUIFER UNDIFFERENTIATED	SABINE	SABINE	FRESH	336	336	336	336	336	336
OTHER AQUIFER UNDIFFERENTIATED	SAN AUGUSTINE	NECHES	FRESH	1,395	1,395	1,395	1,395	1,395	1,395
OTHER AQUIFER UNDIFFERENTIATED	SMITH	NECHES	FRESH	922	922	922	922	922	922
OTHER AQUIFER UNDIFFERENTIATED	TRINITY	NECHES	FRESH	700	700	700	700	700	700
QUEEN CITY AQUIFER	ANDERSON	NECHES	FRESH	9,762	9,762	9,762	9,762	9,762	9,762
QUEEN CITY AQUIFER	ANDERSON	TRINITY	FRESH	9,039	9,039	9,039	9,039	9,039	9,039
QUEEN CITY AQUIFER	ANGELINA	NECHES	FRESH	1,093	1,093	1,093	1,093	1,093	1,093
QUEEN CITY AQUIFER	CHEROKEE	NECHES	FRESH	22,396	22,396	22,396	22,396	22,396	22,396
QUEEN CITY AQUIFER	HENDERSON	NECHES	FRESH	12,316	12,316	12,316	12,316	12,316	12,316
QUEEN CITY AQUIFER	HOUSTON	NECHES	FRESH	131	131	131	131	131	131
QUEEN CITY AQUIFER	HOUSTON	TRINITY	FRESH	279	279	279	279	279	279
QUEEN CITY AQUIFER	NACOGDOCHES	NECHES	FRESH	5,002	5,002	5,002	5,002	5,002	5,002
QUEEN CITY AQUIFER	RUSK	NECHES	FRESH	40	40	40	40	40	40
QUEEN CITY AQUIFER	RUSK	SABINE	FRESH	18	18	18	18	18	18
QUEEN CITY AQUIFER	SAN AUGUSTINE	NECHES	FRESH	7	7	7	7	7	7
QUEEN CITY AQUIFER	SAN AUGUSTINE	SABINE	FRESH	0	0	0	0	0	0
QUEEN CITY AQUIFER	SMITH	NECHES	FRESH	28,259	28,259	28,259	28,259	28,259	28,259
QUEEN CITY AQUIFER	TRINITY	NECHES	FRESH	0	0	0	0	0	0
SPARTA AQUIFER	ANDERSON	NECHES	FRESH	344	344	344	344	344	344
SPARTA AQUIFER	ANDERSON	TRINITY	FRESH	272	272	272	272	272	272
SPARTA AQUIFER	ANGELINA	NECHES	FRESH	689	689	689	689	689	689
SPARTA AQUIFER	CHEROKEE	NECHES	FRESH	359	359	359	359	359	359
SPARTA AQUIFER	HOUSTON	NECHES	FRESH	302	302	302	302	302	302

Source Availability

REGION I									
GROUNDWATER	COUNTY	BASIN	SALINITY	SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
				2020	2030	2040	2050	2060	2070
SPARTA AQUIFER	HOUSTON	TRINITY	FRESH	594	594	594	594	594	594
SPARTA AQUIFER	NACOGDOCHES	NECHES	FRESH	409	409	409	409	409	409
SPARTA AQUIFER	SABINE	NECHES	FRESH	61	61	61	61	61	61
SPARTA AQUIFER	SABINE	SABINE	FRESH	235	235	235	235	235	235
SPARTA AQUIFER	SAN AUGUSTINE	NECHES	FRESH	202	202	202	202	202	202
SPARTA AQUIFER	SAN AUGUSTINE	SABINE	FRESH	3	3	3	3	3	3
SPARTA AQUIFER	TRINITY	NECHES	FRESH	313	313	313	313	313	313
YEGUA-JACKSON AQUIFER	ANGELINA	NECHES	FRESH	16,890	16,890	16,890	16,890	16,507	16,507
YEGUA-JACKSON AQUIFER	HOUSTON	NECHES	FRESH	1,324	1,324	1,324	1,324	1,324	1,324
YEGUA-JACKSON AQUIFER	HOUSTON	TRINITY	FRESH	4,061	4,061	4,061	4,061	4,061	4,061
YEGUA-JACKSON AQUIFER	NACOGDOCHES	NECHES	FRESH	235	235	235	235	235	235
YEGUA-JACKSON AQUIFER	POLK	NECHES	FRESH	360	360	360	360	360	360
YEGUA-JACKSON AQUIFER	SABINE	NECHES	FRESH	3,724	3,724	3,724	3,724	3,724	3,724
YEGUA-JACKSON AQUIFER	SABINE	SABINE	FRESH	575	575	575	575	575	575
YEGUA-JACKSON AQUIFER	SAN AUGUSTINE	NECHES	FRESH	2,102	2,102	2,102	2,102	2,102	2,102
YEGUA-JACKSON AQUIFER	SAN AUGUSTINE	SABINE	FRESH	9	9	9	9	9	9
YEGUA-JACKSON AQUIFER	TRINITY	NECHES	FRESH	700	700	700	700	700	700
GROUNDWATER TOTAL SOURCE AVAILABILITY				490,676	490,190	489,578	488,832	487,796	487,796
REGION I									
REUSE	COUNTY	BASIN	SALINITY	SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
				2020	2030	2040	2050	2060	2070
DIRECT REUSE	ORANGE	SABINE	FRESH	15	15	15	15	15	15
DIRECT REUSE IRRIGATION/MANUFACTURING	SHELBY	SABINE	FRESH	233	246	259	270	284	299
DIRECT REUSE MANUFACTURING	SABINE	SABINE	FRESH	20	20	20	20	20	20
INDIRECT REUSE IRRIGATION	JEFFERSON	NECHES-TRINITY	FRESH	13,687	13,687	13,687	13,687	13,687	13,687
REUSE TOTAL SOURCE AVAILABILITY				13,955	13,968	13,981	13,992	14,006	14,021
REGION I									
SURFACE WATER	COUNTY	BASIN	SALINITY	SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
				2020	2030	2040	2050	2060	2070
ATHENS LAKE/RESERVOIR	RESERVOIR	NECHES	FRESH	5,983	5,903	5,822	5,741	5,660	5,580
BELLWOOD LAKE/RESERVOIR	RESERVOIR	NECHES	FRESH	950	950	950	950	950	950
CENTER LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	1,874	1,874	1,874	1,874	1,874	1,874
CHEROKEE LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	28,650	28,415	28,180	27,945	27,710	27,477

Source Availability

REGION I									
SURFACE WATER	COUNTY	BASIN	SALINITY	SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
				2020	2030	2040	2050	2060	2070
CYPRESS LIVESTOCK LOCAL SUPPLY	PANOLA	CYPRESS	FRESH	30	30	30	30	30	30
HOUSTON COUNTY LAKE/RESERVOIR	RESERVOIR	TRINITY	FRESH	7,000	7,000	7,000	7,000	7,000	7,000
JACKSONVILLE LAKE/RESERVOIR	RESERVOIR	NECHES	FRESH	6,200	6,200	6,200	6,200	6,200	6,200
KURTH LAKE/RESERVOIR	RESERVOIR	NECHES	FRESH	18,417	18,413	18,408	18,404	18,400	18,396
LAKE NACONICHE/RESERVOIR	RESERVOIR	NECHES	FRESH	4,500	4,500	4,500	4,500	4,500	4,500
MARTIN LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	25,000	25,000	25,000	25,000	25,000	25,000
MURVAUL LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	21,203	20,615	20,027	19,438	18,850	18,279
NACOGDOCHES LAKE/RESERVOIR	RESERVOIR	NECHES	FRESH	16,683	16,300	15,917	15,533	15,150	14,776
NECHES LIVESTOCK LOCAL SUPPLY	ANDERSON	NECHES	FRESH	333	333	333	333	333	333
NECHES LIVESTOCK LOCAL SUPPLY	ANGELINA	NECHES	FRESH	661	661	661	661	661	661
NECHES LIVESTOCK LOCAL SUPPLY	CHEROKEE	NECHES	FRESH	1,555	1,555	1,555	1,555	1,555	1,555
NECHES LIVESTOCK LOCAL SUPPLY	HARDIN	NECHES	FRESH	155	155	155	155	155	155
NECHES LIVESTOCK LOCAL SUPPLY	HENDERSON	NECHES	FRESH	770	770	770	770	770	770
NECHES LIVESTOCK LOCAL SUPPLY	HOUSTON	NECHES	FRESH	1,007	1,007	1,007	1,007	1,007	1,007
NECHES LIVESTOCK LOCAL SUPPLY	JASPER	NECHES	FRESH	332	332	332	332	332	332
NECHES LIVESTOCK LOCAL SUPPLY	NACOGDOCHES	NECHES	FRESH	2,386	2,386	2,386	2,386	2,386	2,386
NECHES LIVESTOCK LOCAL SUPPLY	ORANGE	NECHES	FRESH	56	56	56	56	56	56
NECHES LIVESTOCK LOCAL SUPPLY	POLK	NECHES	FRESH	396	396	396	396	396	396
NECHES LIVESTOCK LOCAL SUPPLY	RUSK	NECHES	FRESH	808	808	808	808	808	808
NECHES LIVESTOCK LOCAL SUPPLY	SABINE	NECHES	FRESH	71	71	71	71	71	71
NECHES LIVESTOCK LOCAL SUPPLY	SAN AUGUSTINE	NECHES	FRESH	465	465	465	465	465	465
NECHES LIVESTOCK LOCAL SUPPLY	SHELBY	NECHES	FRESH	334	334	334	334	334	334
NECHES LIVESTOCK LOCAL SUPPLY	SMITH	NECHES	FRESH	605	605	605	605	605	605
NECHES LIVESTOCK LOCAL SUPPLY	TRINITY	NECHES	FRESH	449	449	449	449	449	449
NECHES LIVESTOCK LOCAL SUPPLY	TYLER	NECHES	FRESH	239	239	239	239	239	239
NECHES OTHER LOCAL SUPPLY	CHEROKEE	NECHES	FRESH	19	19	19	19	19	19
NECHES OTHER LOCAL SUPPLY	JEFFERSON	NECHES	FRESH	110	110	110	110	110	110
NECHES OTHER LOCAL SUPPLY	NACOGDOCHES	NECHES	FRESH	494	494	494	494	494	494
NECHES OTHER LOCAL SUPPLY	POLK	NECHES	FRESH	20	20	20	20	20	20

Source Availability

REGION I									
SURFACE WATER	COUNTY	BASIN	SALINITY	SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
				2020	2030	2040	2050	2060	2070
SABINE OTHER LOCAL SUPPLY	NEWTON	SABINE	FRESH	158	158	158	158	158	158
SABINE OTHER LOCAL SUPPLY	ORANGE	SABINE	FRESH	178	178	178	178	178	178
SABINE OTHER LOCAL SUPPLY	RUSK	SABINE	FRESH	1,230	1,230	1,230	1,230	1,230	1,230
SABINE RUN-OF-RIVER	NEWTON	SABINE	FRESH	185	185	185	185	185	185
SABINE RUN-OF-RIVER	ORANGE	SABINE	FRESH	28	28	28	28	28	28
SABINE RUN-OF-RIVER	ORANGE	SABINE	BRACKISH	267,000	267,000	267,000	267,000	267,000	267,000
SABINE RUN-OF-RIVER	PANOLA	SABINE	FRESH	601	601	601	601	601	601
SABINE RUN-OF-RIVER	RUSK	SABINE	FRESH	137	137	137	137	137	137
SABINE RUN-OF-RIVER SRA CANAL	NEWTON	SABINE	FRESH	147,100	147,100	147,100	147,100	147,100	147,100
SAM RAYBURN-STEINHAGEN LAKE/RESERVOIR SYSTEM	RESERVOIR	NECHES	FRESH	848,000	848,000	848,000	848,000	848,000	848,000
SAN AUGUSTINE LAKE/RESERVOIR	RESERVOIR	NECHES	FRESH	1,285	1,285	1,285	1,285	1,285	1,285
STRIKER LAKE/RESERVOIR	RESERVOIR	NECHES	FRESH	19,357	18,530	17,703	16,877	16,050	15,264
TIMPSON LAKE/RESERVOIR	RESERVOIR	NECHES	FRESH	350	350	350	350	350	350
TOLEDO BEND LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	750,000	750,000	750,000	750,000	750,000	750,000
TOLEDO BEND LAKE/RESERVOIR LOUISIANA PORTION	RESERVOIR	SABINE-LOUISIANA	FRESH	336	336	336	336	336	336
TRINITY LIVESTOCK LOCAL SUPPLY	ANDERSON	TRINITY	FRESH	684	684	684	684	684	684
TRINITY LIVESTOCK LOCAL SUPPLY	HOUSTON	TRINITY	FRESH	783	783	783	783	783	783
TRINITY RUN-OF-RIVER	ANDERSON	TRINITY	FRESH	1,060	1,060	1,060	1,060	1,060	1,060
TRINITY RUN-OF-RIVER	HOUSTON	TRINITY	FRESH	1,783	1,783	1,783	1,783	1,783	1,783
TYLER LAKE/RESERVOIR	RESERVOIR	NECHES	FRESH	30,900	30,875	30,850	30,825	30,800	30,775
SURFACE WATER TOTAL SOURCE AVAILABILITY				3,662,037	3,658,652	3,655,403	3,652,424	3,649,668	3,646,854
REGION I TOTAL SOURCE AVAILABILITY				4,166,668	4,162,810	4,158,962	4,155,248	4,151,470	4,148,671