

APPENDIX A

Estimated Historical Groundwater Use and 2022 State Water Plan Datasets: Hickory Underground Water Conservation District

Estimated Historical Groundwater Use And 2022 State Water Plan Datasets:

Hickory Underground Water Conservation District # 1

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GROUNDWATER MANAGEMENT PLAN DATA:

This package of water data reports (part 1 of a 2-part package of information) is being provided to groundwater conservation districts to help them meet the requirements for approval of their five-year groundwater management plan. Each report in the package addresses a specific numbered requirement in the Texas Water Development Board's groundwater management plan checklist. The checklist can be viewed and downloaded from this web address:

<http://www.twdb.texas.gov/groundwater/docs/GCD/GMPChecklist0113.pdf>

The five reports included in this part are:

1. Estimated Historical Groundwater Use (checklist item 2)
from the TWDB Historical Water Use Survey (WUS)
2. Projected Surface Water Supplies (checklist item 6)
3. Projected Water Demands (checklist item 7)
4. Projected Water Supply Needs (checklist item 8)
5. Projected Water Management Strategies (checklist item 9)
from the 2022 Texas State Water Plan (SWP)

Part 2 of the 2-part package is the groundwater availability model (GAM) report for the District (checklist items 3 through 5). The District should have received, or will receive, this report from the Groundwater Availability Modeling Section. Questions about the GAM can be directed to Dr. Shirley Wade, shirley.wade@twdb.texas.gov, (512) 936-0883.

DISCLAIMER:

The data presented in this report represents the most up-to-date WUS and 2022 SWP data available as of 10/31/2023. Although it does not happen frequently, either of these datasets are subject to change pending the availability of more accurate WUS data or an amendment to the 2022 SWP. District personnel must review these datasets and correct any discrepancies in order to ensure approval of their groundwater management plan.

The WUS dataset can be verified at this web address:

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

The 2022 SWP dataset can be verified by contacting Sabrina Anderson (sabrina.anderson@twdb.texas.gov or 512-936-0886).

The values presented in the data tables of this report are county-based. In cases where groundwater conservation districts cover only a portion of one or more counties the data values are modified with an apportioning multiplier to create new values that more accurately represent conditions within district boundaries. The multiplier used in the following formula is a land area ratio: (data value * (land area of district in county / land area of county)). For two of the four SWP tables (Projected Surface Water Supplies and Projected Water Demands) only the county-wide water user group (WUG) data values (county other, manufacturing, steam electric power, irrigation, mining and livestock) are modified using the multiplier. WUG values for municipalities, water supply corporations, and utility districts are not apportioned; instead, their full values are retained when they are located within the district, and eliminated when they are located outside (we ask each district to identify these entity locations).

The remaining SWP tables (Projected Water Supply Needs and Projected Water Management Strategies) are not modified because district-specific values are not statutorily required. Each district needs only "consider" the county values in these tables.

In the WUS table every category of water use (including municipal) is apportioned. Staff determined that breaking down the annual municipal values into individual WUGs was too complex.

TWDB recognizes that the apportioning formula used is not perfect but it is the best available process with respect to time and staffing constraints. If a district believes it has data that is more accurate it can add those data to the plan with an explanation of how the data were derived. Apportioning percentages that the TWDB used are listed above each applicable table.

For additional questions regarding this data, please contact Stephen Allen (stephen.allen@twdb.texas.gov or 512-463-7317).

Estimated Historical Water Use

TWDB Historical Water Use Survey (WUS) Data

Groundwater and surface water historical use estimates are currently unavailable for calendar year 2020. TWDB staff anticipates the calculation and posting of these estimates at a later date.

CONCHO COUNTY

11.44% (multiplier)

All values are in acre-feet

Year	Source	Municipal	Manufacturing	Mining	Steam Electric	Irrigation	Livestock	Total
2019	GW	54	0	0	0	710	33	797
	SW	13	0	0	0	28	33	74
2018	GW	53	0	0	0	749	33	835
	SW	10	0	0	0	26	33	69
2017	GW	37	0	0	0	569	32	638
	SW	17	0	0	0	24	32	73
2016	GW	56	0	0	0	504	20	580
	SW	5	0	0	0	25	20	50
2015	GW	60	0	0	0	473	20	553
	SW	4	0	0	0	41	20	65
2014	GW	54	0	0	0	509	19	582
	SW	5	0	0	0	36	19	60
2013	GW	54	0	0	0	564	18	636
	SW	5	0	0	0	28	18	51
2012	GW	47	0	0	0	539	22	608
	SW	4	0	0	0	21	22	47
2011	GW	63	0	0	0	264	25	352
	SW	11	0	0	0	23	25	59
2010	GW	45	0	12	0	738	26	821
	SW	11	0	2	0	82	26	121
2009	GW	45	0	9	0	138	28	220
	SW	11	0	1	0	160	28	200
2008	GW	52	0	5	0	1,106	28	1,191
	SW	4	0	1	0	12	28	45
2007	GW	57	0	0	0	585	40	682
	SW	8	0	0	0	14	40	62
2006	GW	73	0	0	0	873	33	979
	SW	8	0	0	0	11	33	52
2005	GW	82	0	0	0	337	27	446
	SW	11	0	0	0	70	27	108
2004	GW	61	0	0	0	208	41	310
	SW	11	0	0	0	143	10	164

KIMBLE COUNTY

2.55% (multiplier)

All values are in acre-feet

Year	Source	Municipal	Manufacturing	Mining	Steam Electric	Irrigation	Livestock	Total
2019	GW	1	0	9	0	8	6	24
	SW	14	13	0	0	67	3	97
2018	GW	1	0	0	0	7	6	14
	SW	14	13	0	0	62	3	92
2017	GW	1	0	0	0	7	6	14
	SW	14	13	0	0	52	3	82
2016	GW	1	0	0	0	9	5	15
	SW	13	14	0	0	52	2	81
2015	GW	3	0	0	0	3	5	11
	SW	13	16	0	0	58	2	89
2014	GW	4	0	0	0	8	4	16
	SW	13	14	0	0	55	2	84
2013	GW	6	0	4	0	5	4	19
	SW	13	15	0	0	58	2	88
2012	GW	6	0	0	0	10	5	21
	SW	15	15	0	0	58	2	90
2011	GW	7	0	0	0	8	8	23
	SW	16	15	0	0	61	4	96
2010	GW	6	0	0	0	14	8	28
	SW	16	13	0	0	62	3	94
2009	GW	6	0	0	0	20	6	32
	SW	16	12	0	0	57	3	88
2008	GW	6	0	0	0	5	6	17
	SW	15	0	0	0	70	3	88
2007	GW	5	0	0	0	12	7	24
	SW	15	0	0	0	28	3	46
2006	GW	6	0	0	0	1	7	14
	SW	16	2	0	0	77	3	98
2005	GW	6	0	0	0	4	7	17
	SW	16	2	0	0	60	3	81
2004	GW	5	0	0	0	2	8	15
	SW	16	2	0	0	56	2	76

MASON COUNTY*100% (multiplier)*

All values are in acre-feet

Year	Source	Municipal	Manufacturing	Mining	Steam Electric	Irrigation	Livestock	Total
2019	GW	673	0	176	0	4,839	526	6,214
	SW	0	0	0	0	6	176	182
2018	GW	722	0	176	0	3,943	526	5,367
	SW	0	0	0	0	16	176	192
2017	GW	700	0	177	0	4,508	506	5,891
	SW	0	0	0	0	30	168	198
2016	GW	639	0	187	0	4,791	515	6,132
	SW	0	0	0	0	103	172	275
2015	GW	670	0	116	0	4,888	506	6,180
	SW	0	0	0	0	83	168	251
2014	GW	737	0	266	0	5,126	489	6,618
	SW	0	0	0	0	99	163	262
2013	GW	776	0	311	0	4,695	474	6,256
	SW	0	0	0	0	69	158	227
2012	GW	777	0	313	0	5,203	608	6,901
	SW	0	0	0	0	70	203	273
2011	GW	952	0	0	0	5,644	680	7,276
	SW	0	0	0	0	2	227	229
2010	GW	814	0	275	0	3,853	426	5,368
	SW	0	0	285	0	69	142	496
2009	GW	812	0	275	0	6,725	650	8,462
	SW	0	0	285	0	69	216	570
2008	GW	748	0	275	0	5,445	738	7,206
	SW	0	0	285	0	74	246	605
2007	GW	583	0	0	0	3,311	742	4,636
	SW	0	0	0	0	0	248	248
2006	GW	825	0	0	0	6,775	936	8,536
	SW	0	0	0	0	55	312	367
2005	GW	704	0	0	0	8,375	756	9,835
	SW	0	0	0	0	38	252	290
2004	GW	573	0	0	0	9,562	524	10,659
	SW	0	0	0	0	115	524	639

MCCULLOCH COUNTY

72.92% (multiplier)

All values are in acre-feet

Year	Source	Municipal	Manufacturing	Mining	Steam Electric	Irrigation	Livestock	Total
2019	GW	938	0	64	0	1,111	348	2,461
	SW	28	0	0	0	227	87	342
2018	GW	979	385	1,449	0	1,243	348	4,404
	SW	24	0	0	0	219	87	330
2017	GW	955	385	1,438	0	1,154	335	4,267
	SW	36	0	0	0	233	84	353
2016	GW	940	53	3,681	0	637	290	5,601
	SW	13	0	0	0	215	73	301
2015	GW	1,038	28	3,128	0	1,475	289	5,958
	SW	11	0	0	0	136	72	219
2014	GW	1,118	28	2,772	0	1,456	273	5,647
	SW	9	0	0	0	171	69	249
2013	GW	1,103	29	2,045	0	1,331	267	4,775
	SW	10	0	0	0	154	67	231
2012	GW	1,189	53	2,230	0	1,504	308	5,284
	SW	12	0	0	0	116	77	205
2011	GW	1,329	1	2,033	0	1,781	365	5,509
	SW	21	0	0	0	95	91	207
2010	GW	745	1	3,709	0	1,770	686	6,911
	SW	436	0	2,015	0	95	171	2,717
2009	GW	747	1	2,510	0	2,451	416	6,125
	SW	428	0	1,999	0	163	104	2,694
2008	GW	754	1	3,572	0	560	384	5,271
	SW	591	0	1,983	0	0	96	2,670
2007	GW	1,461	20	1,654	0	1,308	376	4,819
	SW	26	0	0	0	61	94	181
2006	GW	1,517	25	1,779	0	2,146	359	5,826
	SW	28	0	0	0	389	90	507
2005	GW	1,482	25	542	0	2,297	398	4,744
	SW	22	0	0	0	349	100	471
2004	GW	1,442	28	535	0	2,297	363	4,665
	SW	23	0	0	0	364	90	477

MENARD COUNTY

13.51% (multiplier)

All values are in acre-feet

Year	Source	Municipal	Manufacturing	Mining	Steam Electric	Irrigation	Livestock	Total
2019	GW	2	0	0	0	61	38	101
	SW	33	0	0	0	258	7	298
2018	GW	4	0	0	0	58	38	100
	SW	34	0	0	0	458	7	499
2017	GW	4	0	0	0	88	36	128
	SW	35	0	0	0	213	6	254
2016	GW	4	0	0	0	52	35	91
	SW	34	0	0	0	453	6	493
2015	GW	6	0	0	0	69	34	109
	SW	32	0	0	0	496	6	534
2014	GW	10	0	0	0	54	33	97
	SW	34	0	0	0	553	6	593
2013	GW	12	0	0	0	63	33	108
	SW	35	0	0	0	638	6	679
2012	GW	13	0	0	0	136	30	179
	SW	39	0	0	0	131	5	175
2011	GW	14	0	0	0	45	35	94
	SW	49	0	0	0	574	6	629
2010	GW	12	0	28	0	115	37	192
	SW	40	0	7	0	165	6	218
2009	GW	47	0	14	0	110	45	216
	SW	0	0	4	0	106	8	118
2008	GW	41	0	0	0	0	40	81
	SW	0	0	0	0	138	7	145
2007	GW	34	0	0	0	143	47	224
	SW	0	0	0	0	141	8	149
2006	GW	39	0	0	0	211	46	296
	SW	0	0	0	0	132	8	140
2005	GW	35	0	0	0	29	44	108
	SW	0	0	0	0	190	8	198
2004	GW	35	0	0	0	19	43	97
	SW	0	0	0	0	153	11	164

SAN SABA COUNTY

55.88% (multiplier)

All values are in acre-feet

Year	Source	Municipal	Manufacturing	Mining	Steam Electric	Irrigation	Livestock	Total
2019	GW	884	9	0	0	2,649	222	3,764
	SW	128	0	0	0	2,016	332	2,476
2018	GW	741	2	0	0	2,186	222	3,151
	SW	21	1	0	0	3,316	332	3,670
2017	GW	915	2	0	0	2,173	216	3,306
	SW	85	1	0	0	2,018	324	2,428
2016	GW	849	2	0	0	1,297	171	2,319
	SW	83	1	0	0	3,022	256	3,362
2015	GW	873	2	0	0	1,798	168	2,841
	SW	75	1	0	0	2,120	252	2,448
2014	GW	785	2	0	0	2,248	161	3,196
	SW	137	1	0	0	2,208	243	2,589
2013	GW	957	2	0	0	1,617	157	2,733
	SW	78	1	0	0	2,258	235	2,572
2012	GW	1,228	5	0	0	2,012	165	3,410
	SW	0	1	0	0	2,176	248	2,425
2011	GW	1,149	3	0	0	1,703	193	3,048
	SW	0	0	0	0	2,711	290	3,001
2010	GW	748	3	224	0	800	193	1,968
	SW	0	0	231	0	2,380	291	2,902
2009	GW	741	1	221	0	1,748	205	2,916
	SW	0	0	226	0	2,425	307	2,958
2008	GW	734	1	218	0	139	205	1,297
	SW	0	0	221	0	2,264	307	2,792
2007	GW	656	1	0	0	801	284	1,742
	SW	0	0	0	0	1,789	425	2,214
2006	GW	742	1	0	0	500	205	1,448
	SW	0	0	0	0	2,891	307	3,198
2005	GW	677	1	1	0	597	235	1,511
	SW	0	0	0	0	2,806	353	3,159
2004	GW	3,292	1	4	0	607	496	4,400
	SW	0	0	0	0	2,236	124	2,360

Projected Surface Water Supplies

TWDB 2022 State Water Plan Data

CONCHO COUNTY

11.44% (multiplier)

All values are in acre-feet

RWPG	WUG	WUG Basin	Source Name	2020	2030	2040	2050	2060	2070
F	County-Other, Concho	Colorado	Colorado Run-of-River	4	4	4	4	4	4
F	Irrigation, Concho	Colorado	Colorado Run-of-River	24	24	24	24	24	24
F	Livestock, Concho	Colorado	Colorado Livestock Local Supply	26	26	26	26	26	26
F	Millersview-Doole WSC	Colorado	OH Ivie Lake/Reservoir Non-System Portion	84	90	88	86	83	75
Sum of Projected Surface Water Supplies (acre-feet)				138	144	142	140	137	129

KIMBLE COUNTY

2.55% (multiplier)

All values are in acre-feet

RWPG	WUG	WUG Basin	Source Name	2020	2030	2040	2050	2060	2070
F	Irrigation, Kimble	Colorado	Colorado Run-of-River	28	28	28	28	28	28
F	Junction	Colorado	Colorado Run-of-River	0	0	0	0	0	0
F	Livestock, Kimble	Colorado	Colorado Livestock Local Supply	4	4	4	4	4	4
F	Manufacturing, Kimble	Colorado	Colorado Run-of-River	0	0	0	0	0	0
F	Mining, Kimble	Colorado	Colorado Run-of-River	0	0	0	0	0	0
Sum of Projected Surface Water Supplies (acre-feet)				32	32	32	32	32	32

MASON COUNTY

100% (multiplier)

All values are in acre-feet

RWPG	WUG	WUG Basin	Source Name	2020	2030	2040	2050	2060	2070
F	Livestock, Mason	Colorado	Colorado Livestock Local Supply	227	227	227	227	227	227
Sum of Projected Surface Water Supplies (acre-feet)				227	227	227	227	227	227

Projected Surface Water Supplies TWDB 2022 State Water Plan Data

MCCULLOCH COUNTY

72.92% (multiplier)

All values are in acre-feet

RWPG	WUG	WUG Basin	Source Name	2020	2030	2040	2050	2060	2070
F	Brady	Colorado	Brady Creek Lake/Reservoir	0	0	0	0	0	0
F	Irrigation, McCulloch	Colorado	Colorado Run-of-River	50	50	50	50	50	50
F	Livestock, McCulloch	Colorado	Colorado Livestock Local Supply	171	171	171	171	171	171
F	Millersview-Doole WSC	Colorado	OH Ivie Lake/Reservoir Non-System Portion	132	145	143	142	138	124
Sum of Projected Surface Water Supplies (acre-feet)				353	366	364	363	359	345

MENARD COUNTY

13.51% (multiplier)

All values are in acre-feet

RWPG	WUG	WUG Basin	Source Name	2020	2030	2040	2050	2060	2070
F	Irrigation, Menard	Colorado	Colorado Run-of-River	264	264	264	264	264	264
F	Livestock, Menard	Colorado	Colorado Livestock Local Supply	6	6	6	6	6	6
F	Menard	Colorado	Colorado Run-of-River	139	139	139	139	139	139
Sum of Projected Surface Water Supplies (acre-feet)				409	409	409	409	409	409

SAN SABA COUNTY

55.88% (multiplier)

All values are in acre-feet

RWPG	WUG	WUG Basin	Source Name	2020	2030	2040	2050	2060	2070
K	Corix Utilities Texas Inc	Colorado	Highland Lakes Lake/Reservoir System	15	15	15	15	15	15
K	County-Other, San Saba	Colorado	Highland Lakes Lake/Reservoir System	11	11	11	11	11	11
K	Irrigation, San Saba	Colorado	Colorado Run-of-River	1,844	1,844	1,844	1,844	1,844	1,844
K	Livestock, San Saba	Colorado	Colorado Livestock Local Supply	503	503	503	503	503	503
K	San Saba	Colorado	Colorado Run-of-River	0	0	0	0	0	0
Sum of Projected Surface Water Supplies (acre-feet)				2,373	2,373	2,373	2,373	2,373	2,373

Estimated Historical Water Use and 2022 State Water Plan Dataset:

Hickory Underground Water Conservation District # 1

October 31, 2023

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Projected Water Demands

TWDB 2022 State Water Plan Data

Please note that the demand numbers presented here include the plumbing code savings found in the Regional and State Water Plans.

CONCHO COUNTY

11.44% (multiplier)

All values are in acre-feet

RWPG	WUG	WUG Basin	2020	2030	2040	2050	2060	2070
F	County-Other, Concho	Colorado	13	13	12	12	12	12
F	Eden	Colorado	206	210	207	205	204	204
F	Irrigation, Concho	Colorado	561	561	561	561	561	561
F	Livestock, Concho	Colorado	44	44	44	44	44	44
F	Millersview-Doole WSC	Colorado	94	93	90	89	89	89
F	Mining, Concho	Colorado	55	54	48	42	37	32
Sum of Projected Water Demands (acre-feet)			973	975	962	953	947	942

KIMBLE COUNTY

2.55% (multiplier)

All values are in acre-feet

RWPG	WUG	WUG Basin	2020	2030	2040	2050	2060	2070
F	County-Other, Kimble	Colorado	6	6	6	6	6	6
F	Irrigation, Kimble	Colorado	68	68	68	68	68	68
F	Junction	Colorado	626	620	609	605	604	604
F	Livestock, Kimble	Colorado	8	8	8	8	8	8
F	Manufacturing, Kimble	Colorado	15	18	18	18	18	18
F	Mining, Kimble	Colorado	0	0	0	0	0	0
Sum of Projected Water Demands (acre-feet)			723	720	709	705	704	704

MASON COUNTY

100% (multiplier)

All values are in acre-feet

RWPG	WUG	WUG Basin	2020	2030	2040	2050	2060	2070
F	County-Other, Mason	Colorado	231	224	218	215	214	214
F	Irrigation, Mason	Colorado	4,966	4,966	4,966	4,966	4,966	4,966
F	Livestock, Mason	Colorado	714	714	714	714	714	714
F	Mason	Colorado	700	690	682	677	676	676
F	Mining, Mason	Colorado	1,023	941	708	568	460	372
Sum of Projected Water Demands (acre-feet)			7,634	7,535	7,288	7,140	7,030	6,942

Projected Water Demands

TWDB 2022 State Water Plan Data

Please note that the demand numbers presented here include the plumbing code savings found in the Regional and State Water Plans.

MCCULLOCH COUNTY

72.92% (multiplier)

All values are in acre-feet

RWPG	WUG	WUG Basin	2020	2030	2040	2050	2060	2070
F	Brady	Colorado	1,391	1,420	1,402	1,410	1,412	1,414
F	County-Other, McCulloch	Colorado	96	98	98	98	98	98
F	Irrigation, McCulloch	Colorado	1,695	1,695	1,695	1,695	1,695	1,695
F	Livestock, McCulloch	Colorado	475	475	475	475	475	475
F	Manufacturing, McCulloch	Colorado	381	444	444	444	444	444
F	Millersview-Doole WSC	Colorado	148	150	147	146	147	147
F	Mining, McCulloch	Colorado	6,510	6,087	4,843	4,103	3,526	3,063
F	Richland SUD	Colorado	234	240	238	239	239	240
Sum of Projected Water Demands (acre-feet)			10,930	10,609	9,342	8,610	8,036	7,576

MENARD COUNTY

13.51% (multiplier)

All values are in acre-feet

RWPG	WUG	WUG Basin	2020	2030	2040	2050	2060	2070
F	County-Other, Menard	Colorado	12	12	12	11	11	11
F	Irrigation, Menard	Colorado	495	495	495	495	495	495
F	Livestock, Menard	Colorado	40	40	40	40	40	40
F	Menard	Colorado	350	342	336	335	335	335
F	Mining, Menard	Colorado	147	145	129	112	97	84
Sum of Projected Water Demands (acre-feet)			1,044	1,034	1,012	993	978	965

SAN SABA COUNTY

55.88% (multiplier)

All values are in acre-feet

RWPG	WUG	WUG Basin	2020	2030	2040	2050	2060	2070
K	Corix Utilities Texas Inc	Colorado	15	15	15	15	15	15
K	County-Other, San Saba	Colorado	122	123	121	119	121	124
K	Irrigation, San Saba	Colorado	4,023	4,023	4,023	4,023	4,023	4,023
K	Livestock, San Saba	Colorado	435	435	435	435	435	435
K	Manufacturing, San Saba	Colorado	6	7	7	7	7	7
K	Mining, San Saba	Colorado	608	611	528	503	483	468
K	North San Saba WSC	Colorado	185	191	190	187	191	195
K	Richland SUD	Colorado	224	231	229	224	229	235

Estimated Historical Water Use and 2022 State Water Plan Dataset:

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Projected Water Demands

TWDB 2022 State Water Plan Data

Please note that the demand numbers presented here include the plumbing code savings found in the Regional and State Water Plans.

RWPG	WUG	WUG Basin	2020	2030	2040	2050	2060	2070
K	San Saba	Colorado	1,175	1,216	1,212	1,186	1,213	1,241
Sum of Projected Water Demands (acre-feet)			6,793	6,852	6,760	6,699	6,717	6,743

Projected Water Supply Needs

TWDB 2022 State Water Plan Data

Negative values (in red) reflect a projected water supply need, positive values a surplus.

CONCHO COUNTY

All values are in acre-feet

RWPG	WUG	WUG Basin	2020	2030	2040	2050	2060	2070
F	County-Other, Concho	Colorado	0	0	0	0	0	0
F	Eden	Colorado	25	25	25	25	25	25
F	Irrigation, Concho	Colorado	0	0	0	0	0	0
F	Livestock, Concho	Colorado	0	0	0	0	0	0
F	Millersview-Doole WSC	Colorado	21	27	27	26	22	14
F	Mining, Concho	Colorado	0	0	0	0	0	0
Sum of Projected Water Supply Needs (acre-feet)			0	0	0	0	0	0

KIMBLE COUNTY

All values are in acre-feet

RWPG	WUG	WUG Basin	2020	2030	2040	2050	2060	2070
F	County-Other, Kimble	Colorado	0	0	0	0	0	0
F	Irrigation, Kimble	Colorado	-1,103	-1,103	-1,103	-1,103	-1,103	-1,103
F	Junction	Colorado	-626	-620	-609	-605	-604	-604
F	Livestock, Kimble	Colorado	0	0	0	0	0	0
F	Manufacturing, Kimble	Colorado	-603	-704	-704	-704	-704	-704
F	Mining, Kimble	Colorado	0	0	0	0	0	0
Sum of Projected Water Supply Needs (acre-feet)			-2,332	-2,427	-2,416	-2,412	-2,411	-2,411

MASON COUNTY

All values are in acre-feet

RWPG	WUG	WUG Basin	2020	2030	2040	2050	2060	2070
F	County-Other, Mason	Colorado	0	0	0	0	0	0
F	Irrigation, Mason	Colorado	0	0	0	0	0	0
F	Livestock, Mason	Colorado	0	0	0	0	0	0
F	Mason	Colorado	-700	-690	-682	-677	-676	-676
F	Mining, Mason	Colorado	0	0	0	0	0	0
Sum of Projected Water Supply Needs (acre-feet)			-700	-690	-682	-677	-676	-676

Projected Water Supply Needs

TWDB 2022 State Water Plan Data

Negative values (in red) reflect a projected water supply need, positive values a surplus.

MCCULLOCH COUNTY

All values are in acre-feet

RWPG	WUG	WUG Basin	2020	2030	2040	2050	2060	2070
F	Brady	Colorado	-1,391	-1,420	-1,402	-1,410	-1,412	-1,414
F	County-Other, McCulloch	Colorado	0	0	0	0	0	0
F	Irrigation, McCulloch	Colorado	0	0	0	0	0	0
F	Livestock, McCulloch	Colorado	0	0	0	0	0	0
F	Manufacturing, McCulloch	Colorado	0	0	0	0	0	0
F	Millersview-Doole WSC	Colorado	32	43	44	43	38	23
F	Mining, McCulloch	Colorado	1	1	1	1	0	1
F	Richland SUD	Colorado	78	72	74	77	73	70
Sum of Projected Water Supply Needs (acre-feet)			-1,391	-1,420	-1,402	-1,410	-1,412	-1,414

MENARD COUNTY

All values are in acre-feet

RWPG	WUG	WUG Basin	2020	2030	2040	2050	2060	2070
F	County-Other, Menard	Colorado	0	0	0	0	0	0
F	Irrigation, Menard	Colorado	0	0	0	0	0	0
F	Livestock, Menard	Colorado	0	0	0	0	0	0
F	Menard	Colorado	-211	-203	-197	-196	-196	-196
F	Mining, Menard	Colorado	0	0	0	0	0	0
Sum of Projected Water Supply Needs (acre-feet)			-211	-203	-197	-196	-196	-196

SAN SABA COUNTY

All values are in acre-feet

RWPG	WUG	WUG Basin	2020	2030	2040	2050	2060	2070
K	Corix Utilities Texas Inc	Colorado	0	0	0	0	0	0
K	County-Other, San Saba	Colorado	26	24	27	31	27	22
K	Irrigation, San Saba	Colorado	23	23	23	23	23	23
K	Livestock, San Saba	Colorado	439	439	439	439	439	439
K	Manufacturing, San Saba	Colorado	2	0	0	0	0	0
K	Mining, San Saba	Colorado	451	446	595	639	675	701
K	North San Saba WSC	Colorado	10	4	5	8	4	0
K	Richland SUD	Colorado	76	69	71	72	71	67

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Projected Water Supply Needs

TWDB 2022 State Water Plan Data

Negative values (in red) reflect a projected water supply need, positive values a surplus.

RWPG	WUG	WUG Basin	2020	2030	2040	2050	2060	2070
K	San Saba	Colorado	71	30	34	60	33	5
Sum of Projected Water Supply Needs (acre-feet)			0	0	0	0	0	0

Projected Water Management Strategies

TWDB 2022 State Water Plan Data

CONCHO COUNTY

WUG, Basin (RWPG)

All values are in acre-feet

Water Management Strategy	Source Name [Origin]	2020	2030	2040	2050	2060	2070
County-Other, Concho, Colorado (F)							
Municipal Conservation - Concho County Other	DEMAND REDUCTION [Concho]	3	3	3	3	3	3
Subordination - San Angelo System	San Angelo Lakes Lake/Reservoir System [Reservoir]	3	3	3	3	3	3
		6	6	6	6	6	6
Eden, Colorado (F)							
Municipal Conservation - Eden	DEMAND REDUCTION [Concho]	4	4	4	4	4	4
		4	4	4	4	4	4
Irrigation, Concho, Colorado (F)							
Irrigation Conservation - Concho County	DEMAND REDUCTION [Concho]	245	490	539	539	539	539
		245	490	539	539	539	539
Millersview-Doole WSC, Colorado (F)							
Municipal Conservation - Millersview-Doole WSC	DEMAND REDUCTION [Concho]	2	2	2	2	2	2
Subordination - OH Ivie Non System Portion	OH Ivie Lake/Reservoir Non-System Portion [Reservoir]	8	0	0	0	1	9
Water Audits And Leak - Millersview-Doole WSC	DEMAND REDUCTION [Concho]	10	10	9	9	9	9
		20	12	11	11	12	20
Mining, Concho, Colorado (F)							
Mining Conservation - Concho County	DEMAND REDUCTION [Concho]	20	20	18	15	13	12
		20	20	18	15	13	12
Sum of Projected Water Management Strategies (acre-feet)		295	532	578	575	574	581

KIMBLE COUNTY

WUG, Basin (RWPG)

All values are in acre-feet

Water Management Strategy	Source Name [Origin]	2020	2030	2040	2050	2060	2070
Irrigation, Kimble, Colorado (F)							
Irrigation Conservation - Kimble County	DEMAND REDUCTION [Kimble]	133	266	319	319	319	319

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Projected Water Management Strategies

TWDB 2022 State Water Plan Data

WUG, Basin (RWPG)		All values are in acre-feet					
Water Management Strategy	Source Name [Origin]	2020	2030	2040	2050	2060	2070
		133	266	319	319	319	319
Junction, Colorado (F)							
Develop Additional Edwards-Trinity Plateau Aquifer Supplies - Junction	Edwards-Trinity-Plateau, Pecos Valley, and Trinity Aquifers [Kimble]	370	370	370	370	370	370
Municipal Conservation - Junction	DEMAND REDUCTION [Kimble]	8	8	8	8	8	8
Subordination - Kimble County RoR	Colorado Run-of-River [Kimble]	250	250	250	250	250	250
		628	628	628	628	628	628
Manufacturing, Kimble, Colorado (F)							
Develop Additional Ellenburger San Saba Aquifer Supplies - Kimble County Manufacturing	Ellenburger-San Saba Aquifer [Kimble]	500	500	500	500	500	500
Subordination - Kimble County RoR	Colorado Run-of-River [Kimble]	228	228	228	228	228	228
		728	728	728	728	728	728
Mining, Kimble, Colorado (F)							
Mining Conservation - Kimble County	DEMAND REDUCTION [Kimble]	1	1	1	1	1	1
		1	1	1	1	1	1
Sum of Projected Water Management Strategies (acre-feet)		1,490	1,623	1,676	1,676	1,676	1,676

MASON COUNTY

WUG, Basin (RWPG)		All values are in acre-feet					
Water Management Strategy	Source Name [Origin]	2020	2030	2040	2050	2060	2070
Irrigation, Mason, Colorado (F)							
Irrigation Conservation - Mason County	DEMAND REDUCTION [Mason]	248	497	745	745	745	745
		248	497	745	745	745	745
Mason, Colorado (F)							
Additional Water Treatment - Mason	Hickory Aquifer [Mason]	700	690	682	677	676	676
Municipal Conservation - Mason	DEMAND REDUCTION [Mason]	7	7	7	7	7	7
		707	697	689	684	683	683

Projected Water Management Strategies

TWDB 2022 State Water Plan Data

WUG, Basin (RWPG)

All values are in acre-feet

Water Management Strategy	Source Name [Origin]	2020	2030	2040	2050	2060	2070
Mining, Mason, Colorado (F)							
Mining Conservation - Mason County	DEMAND REDUCTION [Mason]	43	40	30	24	19	16
Sum of Projected Water Management Strategies (acre-feet)		43	40	30	24	19	16
		998	1,234	1,464	1,453	1,447	1,444

MCCULLOCH COUNTY

WUG, Basin (RWPG)

All values are in acre-feet

Water Management Strategy	Source Name [Origin]	2020	2030	2040	2050	2060	2070
Brady, Colorado (F)							
Advanced Groundwater Treatment - Brady	Hickory Aquifer [McCulloch]	1,195	1,195	1,195	1,195	1,195	1,195
Municipal Conservation - Brady	DEMAND REDUCTION [McCulloch]	18	18	19	19	19	19
Subordination - Brady Creek Reservoir	Brady Creek Lake/Reservoir [Reservoir]	841	841	841	841	841	841
		2,054	2,054	2,055	2,055	2,055	2,055
County-Other, McCulloch, Colorado (F)							
Advanced Groundwater Treatment - Brady	Hickory Aquifer [McCulloch]	5	5	5	5	5	5
		5	5	5	5	5	5
Irrigation, McCulloch, Colorado (F)							
Irrigation Conservation - McCulloch County	DEMAND REDUCTION [McCulloch]	116	232	349	349	349	349
		116	232	349	349	349	349
Millersview-Doole WSC, Colorado (F)							
Municipal Conservation - Millersview-Doole WSC	DEMAND REDUCTION [McCulloch]	3	3	3	3	3	4
Subordination - OH Ivie Non System Portion	OH Ivie Lake/Reservoir Non-System Portion [Reservoir]	13	0	0	0	2	14
Water Audits And Leak - Millersview-Doole WSC	DEMAND REDUCTION [McCulloch]	16	16	16	16	16	16
		32	19	19	19	21	34
Mining, McCulloch, Colorado (F)							
Mining Conservation - McCulloch County	DEMAND REDUCTION [McCulloch]	375	351	279	236	203	176
		375	351	279	236	203	176

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Projected Water Management Strategies

TWDB 2022 State Water Plan Data

WUG, Basin (RWPG)

All values are in acre-feet

Water Management Strategy	Source Name [Origin]	2020	2030	2040	2050	2060	2070
Richland SUD, Colorado (F)							
Municipal Conservation - Richland SUD	DEMAND REDUCTION [McCulloch]	3	3	3	3	3	3
Sum of Projected Water Management Strategies (acre-feet)		2,585	2,664	2,710	2,667	2,636	2,622

MENARD COUNTY

WUG, Basin (RWPG)

All values are in acre-feet

Water Management Strategy	Source Name [Origin]	2020	2030	2040	2050	2060	2070
Irrigation, Menard, Colorado (F)							
Irrigation Conservation - Menard County	DEMAND REDUCTION [Menard]	183	366	549	549	549	549
Subordination - Menard County Irrigation	Colorado Run-of-River [Menard]	537	537	537	537	537	537
		720	903	1,086	1,086	1,086	1,086
Menard, Colorado (F)							
Municipal Conservation - Menard	DEMAND REDUCTION [Menard]	5	5	5	5	5	5
Subordination - Menard County Irrigation	Colorado Run-of-River [Menard]	1,000	1,000	1,000	1,000	1,000	1,000
		1,005	1,005	1,005	1,005	1,005	1,005
Mining, Menard, Colorado (F)							
Mining Conservation - Menard County	DEMAND REDUCTION [Menard]	46	45	40	35	30	26
Sum of Projected Water Management Strategies (acre-feet)		1,771	1,953	2,131	2,126	2,121	2,117

SAN SABA COUNTY

WUG, Basin (RWPG)

All values are in acre-feet

Water Management Strategy	Source Name [Origin]	2020	2030	2040	2050	2060	2070
Corix Utilities Texas Inc, Colorado (K)							
Drought Management	DEMAND REDUCTION [San Saba]	3	3	3	3	3	3
		3	3	3	3	3	3

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Projected Water Management Strategies

TWDB 2022 State Water Plan Data

WUG, Basin (RWPG)

All values are in acre-feet

Water Management Strategy	Source Name [Origin]	2020	2030	2040	2050	2060	2070
County-Other, San Saba, Colorado (K)							
Drought Management	DEMAND REDUCTION [San Saba]	44	44	43	43	43	44
		44	44	43	43	43	44
Irrigation, San Saba, Colorado (K)							
Irrigation Conservation - Drip Irrigation - San Saba County	DEMAND REDUCTION [San Saba]	626	626	626	626	626	626
		626	626	626	626	626	626
North San Saba WSC, Colorado (K)							
Drought Management	DEMAND REDUCTION [San Saba]	34	32	29	25	23	22
Municipal Conservation - North San Saba WSC	DEMAND REDUCTION [San Saba]	17	32	46	60	74	85
		51	64	75	85	97	107
Richland SUD, Colorado (K)							
Drought Management	DEMAND REDUCTION [San Saba]	41	38	35	31	32	33
Municipal Conservation - Richland SUD	DEMAND REDUCTION [San Saba]	20	39	55	69	70	72
		61	77	90	100	102	105
San Saba, Colorado (K)							
Drought Management	DEMAND REDUCTION [San Saba]	214	202	182	162	149	137
Municipal Conservation - San Saba	DEMAND REDUCTION [San Saba]	106	208	300	378	469	556
		320	410	482	540	618	693
Sum of Projected Water Management Strategies (acre-feet)		1,105	1,224	1,319	1,397	1,489	1,578