

Projected Exempt Groundwater Use Estimates

Groundwater Management Area 7
TWDB Final Estimates
December 2015

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Projected Exempt Groundwater Use Estimates
Acre-feet per year

Coke County UWCD

Total Estimated Exempt Use (by aquifer)

Aquifer	2015	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	100	109	109	109	109	109
Other	288	315	315	315	315	315

Estimated Domestic Exempt Use (by aquifer)

Aquifer	2015	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	22	25	25	25	25	25
Other	80	92	92	92	92	92

Estimated Livestock Exempt Use (by aquifer)

Aquifer	2015	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	78	84	84	84	84	84
Other	208	223	223	223	223	223

Estimates derived using 2010 Census Data, TWDB population projections, TWDB Water Use Survey data, TWDB water demand projections, and the TWDB water well database.

Values are rounded to the nearest acre-foot.

**Projected Exempt Groundwater Use Estimates
Acre-feet per year**

Crockett County GCD

Total Estimated Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Dockum	1	2	2	2	2	2	2
Edwards-Trinity Plateau	632	632	620	618	618	618	618
Other	5	4	4	4	4	4	4

Estimated Domestic Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Dockum	0	0	0	0	0	0	0
Edwards-Trinity Plateau	69	27	15	13	13	13	13
Other	1	0	0	0	0	0	0

Estimated Livestock Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Dockum	1	2	2	2	2	2	2
Edwards-Trinity Plateau	563	605	605	605	605	605	605
Other	4	4	4	4	4	4	4

Estimates derived using 2010 Census Data, TWDB population projections, TWDB Water Use Survey data, TWDB water demand projections, and the TWDB water well database.

Values are rounded to the nearest acre-foot.

Projected Exempt Groundwater Use Estimates Acre-feet per year

Glasscock GCD

Total Estimated Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	253	285	294	297	298	298	298
Ogallala	46	55	56	56	56	56	56
Other	1	1	1	1	1	1	1

Estimated Domestic Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	125	130	139	142	143	143	143
Ogallala	14	15	16	16	16	16	16
Other	0	0	0	0	0	0	0

Estimated Livestock Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	128	155	155	155	155	155	155
Ogallala	32	40	40	40	40	40	40
Other	1	1	1	1	1	1	1

Estimates derived using 2010 Census Data, TWDB population projections, TWDB Water Use Survey data, TWDB water demand projections, and the TWDB water well database.

Values are rounded to the nearest acre-foot.

Projected Exempt Groundwater Use Estimates Acre-feet per year

Hickory UWCD No. 1

Total Estimated Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	106	125	125	125	125	125	125
Ellenburger-San Saba	540	552	552	553	553	554	555
Hickory	1,068	1,310	1,309	1,309	1,309	1,309	1,310
Marble Falls	25	23	24	24	24	24	24
Other	267	322	322	322	322	322	323

Estimated Domestic Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	31	34	34	34	34	34	34
Ellenburger-San Saba	92	85	85	86	86	87	88
Hickory	221	209	208	208	208	208	209
Marble Falls	14	12	13	13	13	13	13
Other	55	53	53	53	53	53	54

Estimated Livestock Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	75	91	91	91	91	91	91
Ellenburger-San Saba	448	467	467	467	467	467	467
Hickory	847	1,101	1,101	1,101	1,101	1,101	1,101
Marble Falls	11	11	11	11	11	11	11
Other	212	269	269	269	269	269	269

Estimates derived using 2010 Census Data, TWDB population projections, TWDB Water Use Survey data, TWDB water demand projections, and the TWDB water well database.

Values are rounded to the nearest acre-foot.

Projected Exempt Groundwater Use Estimates Acre-feet per year

Hill Country UWCD

Total Estimated Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	660	589	615	635	657	678	698
Ellenburger-San Saba	489	497	537	567	599	631	661
Hickory	162	161	173	182	191	201	210
Marble Falls	8	9	10	11	11	12	13
Other	239	227	241	251	263	274	285
Trinity	622	633	684	722	763	804	842

Estimated Domestic Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	263	283	309	329	351	372	392
Ellenburger-San Saba	394	424	464	494	526	558	588
Hickory	119	128	140	149	158	168	177
Marble Falls	8	9	10	11	11	12	13
Other	140	151	165	175	187	198	209
Trinity	505	543	594	632	673	714	752

Estimated Livestock Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	397	306	306	306	306	306	306
Ellenburger-San Saba	95	73	73	73	73	73	73
Hickory	43	33	33	33	33	33	33
Other	99	76	76	76	76	76	76
Trinity	117	90	90	90	90	90	90

Estimates derived using 2010 Census Data, TWDB population projections, TWDB Water Use Survey data, TWDB water demand projections, and the TWDB water well database.

Values are rounded to the nearest acre-foot.

Projected Exempt Groundwater Use Estimates Acre-feet per year

Irion County WCD

Total Estimated Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Dockum	2	2	2	2	2	2	2
Edwards-Trinity Plateau	384	396	400	401	401	402	402
Lipan	3	4	4	4	4	4	4
Other	34	31	32	32	32	33	33

Estimated Domestic Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Dockum	1	1	1	1	1	1	1
Edwards-Trinity Plateau	82	86	90	91	91	92	92
Lipan	0	0	0	0	0	0	0
Other	17	14	15	15	15	16	16

Estimated Livestock Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Dockum	1	1	1	1	1	1	1
Edwards-Trinity Plateau	302	310	310	310	310	310	310
Lipan	3	4	4	4	4	4	4
Other	17	17	17	17	17	17	17

Estimates derived using 2010 Census Data, TWDB population projections, TWDB Water Use Survey data, TWDB water demand projections, and the TWDB water well database.

Values are rounded to the nearest acre-foot.

**Projected Exempt Groundwater Use Estimates
Acre-feet per year**

Kimble County GCD

Total Estimated Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	387	380	383	384	385	385	385
Other	21	20	21	21	21	21	21

Estimated Domestic Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	172	178	181	182	183	183	183
Other	15	15	16	16	16	16	16

Estimated Livestock Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	215	202	202	202	202	202	202
Other	6	5	5	5	5	5	5

Estimates derived using 2010 Census Data, TWDB population projections, TWDB Water Use Survey data, TWDB water demand projections, and the TWDB water well database.

Values are rounded to the nearest acre-foot.

Projected Exempt Groundwater Use Estimates Acre-feet per year

Kinney County GCD

Total Estimated Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards (Balcones Fault Zone)	22	28	28	28	28	28	28
Edwards-Trinity Plateau	81	106	106	106	106	106	106
Other	70	87	88	88	88	88	88

Estimated Domestic Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards (Balcones Fault Zone)	3	3	3	3	3	3	3
Edwards-Trinity Plateau	17	18	18	18	18	18	18
Other	19	19	20	20	20	20	20

Estimated Livestock Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards (Balcones Fault Zone)	19	25	25	25	25	25	25
Edwards-Trinity Plateau	64	88	88	88	88	88	88
Other	51	68	68	68	68	68	68

Estimates derived using 2010 Census Data, TWDB population projections, TWDB Water Use Survey data, TWDB water demand projections, and the TWDB water well database.

Values are rounded to the nearest acre-foot.

Projected Exempt Groundwater Use Estimates Acre-feet per year

Lipan-Kickapoo WCD

Total Estimated Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	1,027	1,038	1,026	1,036	1,043	1,050	1,057
Lipan	778	674	658	680	687	701	715
Other	1,019	1,002	1,037	1,051	1,061	1,069	1,077

Estimated Domestic Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	316	237	225	235	242	249	256
Lipan	390	268	246	258	267	276	285
Other	509	475	510	524	534	542	550

Estimated Livestock Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	711	801	801	801	801	801	801
Lipan	140	150	150	150	150	150	150
Other	510	527	527	527	527	527	527

Estimated Mining and Rig Supply Exempt Use (by aquifer)

Aquifer	2020	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	0	0	0	0	0	0	0
Lipan	248	256	262	272	270	275	280

Estimates derived using 2010 Census Data, TWDB population projections, TWDB Water Use Survey data, TWDB water demand projections, and the TWDB water well database.

Values are rounded to the nearest acre-foot.

Projected Exempt Groundwater Use Estimates
Acre-feet per year

Lone Wolf GCD

Total Estimated Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Dockum	224	419	481	491	497	502	505
Other	23	30	32	32	32	32	33

Estimated Domestic Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Dockum	148	341	403	413	419	424	427
Other	5	12	14	14	14	14	15

Estimated Livestock Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Dockum	76	78	78	78	78	78	78
Other	18	18	18	18	18	18	18

Estimates derived using 2010 Census Data, TWDB population projections, TWDB Water Use Survey data, TWDB water demand projections, and the TWDB water well database.

Values are rounded to the nearest acre-foot.

Projected Exempt Groundwater Use Estimates Acre-feet per year

Menard County UWCD

Total Estimated Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	288	320	320	320	320	320	320
Ellenburger-San Saba	1	1	1	1	1	1	1
Other	18	20	20	20	20	20	20

Estimated Domestic Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	47	47	47	47	47	47	47
Ellenburger-San Saba	0	0	0	0	0	0	0
Other	10	10	10	10	10	10	10

Estimated Livestock Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	241	273	273	273	273	273	273
Ellenburger-San Saba	1	1	1	1	1	1	1
Other	8	10	10	10	10	10	10

Estimates derived using 2010 Census Data, TWDB population projections, TWDB Water Use Survey data, TWDB water demand projections, and the TWDB water well database.

Values are rounded to the nearest acre-foot.

**Projected Exempt Groundwater Use Estimates
Acre-feet per year**

Middle Pecos GCD

Total Estimated Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Capitan Reef Complex	26	30	30	30	30	30	30
Edwards-Trinity Plateau	3,434	4,039	4,779	4,843	4,472	4,144	3,894
Other	0	0	0	0	0	0	0
Pecos Valley	0	0	0	0	0	0	0
Rustler	52	60	60	60	60	60	60

Total exempt use (domestic, livestock, and mining & rig supply) for 2015 provided by Middle Pecos GCD.

Projection estimates are derived using 2010 Census Data, TWDB population projections, TWDB Water Use Survey data, and TWDB water demand projections.

Values are rounded to the nearest acre-foot.

**Projected Exempt Groundwater Use Estimates
Acre-feet per year**

Plateau UWC and Supply District

Total Estimated Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	552	619	651	667	675	682	685
Other	1	1	1	1	1	1	1

Estimated Domestic Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	129	154	186	202	210	217	220
Other	1	1	1	1	1	1	1

Estimated Livestock Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	423	465	465	465	465	465	465
Other	0	0	0	0	0	0	0

Estimates derived using 2010 Census Data, TWDB population projections, TWDB Water Use Survey data, TWDB water demand projections, and the TWDB water well database.

Values are rounded to the nearest acre-foot.

Projected Exempt Groundwater Use Estimates
Acre-feet per year

Real-Edwards C and R District

Total Estimated Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	835	884	897	897	897	897	897
Other	19	21	22	22	22	22	22

Estimated Domestic Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	288	318	331	331	331	331	331
Other	19	21	22	22	22	22	22

Estimated Livestock Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	547	566	566	566	566	566	566
Other	0	0	0	0	0	0	0

Estimates derived using 2010 Census Data, TWDB population projections, TWDB Water Use Survey data, TWDB water demand projections, and the TWDB water well database.

Values are rounded to the nearest acre-foot.

**Projected Exempt Groundwater Use Estimates
Acre-feet per year**

Santa Rita UWCD

Total Estimated Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Dockum	2	2	2	2	2	2	2
Edwards-Trinity Plateau	224	234	236	239	243	244	246
Other	4	4	4	4	4	4	4

Estimated Domestic Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Dockum	0	0	0	0	0	0	0
Edwards-Trinity Plateau	45	40	42	45	49	50	52
Other	0	0	0	0	0	0	0

Estimated Livestock Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Dockum	2	2	2	2	2	2	2
Edwards-Trinity Plateau	179	194	194	194	194	194	194
Other	4	4	4	4	4	4	4

Estimates derived using 2010 Census Data, TWDB population projections, TWDB Water Use Survey data, TWDB water demand projections, and the TWDB water well database.

Values are rounded to the nearest acre-foot.

Projected Exempt Groundwater Use Estimates
Acre-feet per year

Sterling County UWCD

Total Estimated Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Dockum	20	23	23	23	23	23	23
Edwards-Trinity Plateau	237	265	265	266	266	266	266
Lipan	5	3	3	3	3	3	3
Other	36	40	40	40	40	40	40

Estimated Domestic Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Dockum	3	3	3	3	3	3	3
Edwards-Trinity Plateau	17	16	16	17	17	17	17
Lipan	5	3	3	3	3	3	3
Other	8	8	8	8	8	8	8

Estimated Livestock Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Dockum	17	20	20	20	20	20	20
Edwards-Trinity Plateau	220	249	249	249	249	249	249
Lipan	0	0	0	0	0	0	0
Other	28	32	32	32	32	32	32

Estimates derived using 2010 Census Data, TWDB population projections, TWDB Water Use Survey data, TWDB water demand projections, and the TWDB water well database.

Values are rounded to the nearest acre-foot.

Projected Exempt Groundwater Use Estimates
Acre-feet per year

Sutton County UWCD

Total Estimated Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	588	634	676	722	767	825	885
Other	0	0	0	0	0	0	0

Estimated Domestic Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	273	287	294	302	305	317	325
Other	0	0	0	0	0	0	0

Estimated Livestock Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	315	347	382	420	462	508	560
Other	0	0	0	0	0	0	0

Estimates derived using 2010 Census Data, TWDB population projections, TWDB Water Use Survey data, TWDB water demand projections, and the TWDB water well database.

Values are rounded to the nearest acre-foot.

**Projected Exempt Groundwater Use Estimates
Acre-feet per year**

Terrell County GCD

Total Estimated Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	259	457	454	452	452	450	449
Other	18	76	75	75	75	74	74

Estimated Domestic Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	19	14	13	13	13	13	13
Other	1	0	0	0	0	0	0

Estimated Livestock Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	190	215	215	215	215	215	215
Other	0	0	0	0	0	0	0

Estimated Agricultural Exempt Use (by aquifer) *

Aquifer	2020	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	50	228	226	224	224	222	221
Other	17	76	75	75	75	74	74

* Terrell County GCD Rules exempt wells that provide water for agricultural irrigation use that is drilled, completed, or equipped so that it is incapable of producing more than 25,000 gallons of groundwater a day.

Estimates derived using 2010 Census Data, TWDB population projections, TWDB Water Use Survey data, TWDB water demand projections, and the TWDB water well database.

Values are rounded to the nearest acre-foot.

**Projected Exempt Groundwater Use Estimates
Acre-feet per year**

Uvalde County UWCD

Total Estimated Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	131	104	111	115	118	121	125
Other	7	9	11	12	13	13	14
Trinity	144	122	133	138	143	148	153

Estimated Domestic Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	26	36	43	47	50	53	57
Other	7	9	11	12	13	13	14
Trinity	39	54	65	70	75	80	85

Estimated Livestock Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Edwards-Trinity Plateau	105	68	68	68	68	68	68
Other	0	0	0	0	0	0	0
Trinity	105	68	68	68	68	68	68

Estimates derived using 2010 Census Data, TWDB population projections, TWDB Water Use Survey data, TWDB water demand projections, and the TWDB water well database.

Values are rounded to the nearest acre-foot.

Projected Exempt Groundwater Use Estimates
Acre-feet per year

Wes-Tex GCD

Total Estimated Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Dockum	147	150	155	158	162	165	169
Edwards-Trinity Plateau	182	191	193	196	197	199	200
Other	40	42	42	44	44	44	44

Estimated Domestic Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Dockum	100	99	104	107	111	114	118
Edwards-Trinity Plateau	49	48	50	53	54	56	57
Other	18	18	18	20	20	20	20

Estimated Livestock Exempt Use (by aquifer)

Aquifer	2015	2020	2030	2040	2050	2060	2070
Dockum	47	51	51	51	51	51	51
Edwards-Trinity Plateau	133	143	143	143	143	143	143
Other	22	24	24	24	24	24	24

Estimates derived using 2010 Census Data, TWDB population projections, TWDB Water Use Survey data, TWDB water demand projections, and the TWDB water well database.

Values are rounded to the nearest acre-foot.