

Groundwater Management Area (GMA) 2
Modeled Available Groundwater for Relevant Aquifers by Groundwater Conservation District (GCD)
2021 Joint Planning

Garza County UWCD

GCD	Aquifer	County	Modeled Available Groundwater (acre-feet per year)						
			2020	2030	2040	2050	2060	2070	2080
Garza County UWCD	Dockum	Garza	1,038	1,038	1,038	1,038	1,038	1,038	1,038
Garza County UWCD	Ogallala and Edwards-Trinity (High Plains)	Garza	15,519	13,508	12,402	11,717	11,263	10,948	10,721

Values from [GAM Run 21-008 MAG: Modeled Available Groundwater for the High Plains Aquifer System \(Ogallala, Edwards-Trinity \[High Plains\], and Dockum aquifers in Groundwater Management Area 2.](#)

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High Plains UWCD No. 1

GCD	Aquifer	County	Modeled Available Groundwater (acre-feet per year)						
			2020	2030	2040	2050	2060	2070	2080
High Plains UWCD No.1	Dockum	Bailey	949	949	949	949	949	949	949
High Plains UWCD No.1	Dockum	Castro	484	484	484	484	484	484	484
High Plains UWCD No.1	Dockum	Cochran	1,106	1,106	1,106	1,106	1,106	1,106	1,106
High Plains UWCD No.1	Dockum	Crosby	4,312	4,312	4,312	4,312	4,312	4,312	4,312
High Plains UWCD No.1	Dockum	Deaf Smith	5,006	5,006	5,006	5,006	5,006	5,006	5,006
High Plains UWCD No.1	Dockum	Floyd	3,674	3,674	3,674	3,674	3,674	3,674	3,674
High Plains UWCD No.1	Dockum	Hale	1,277	1,277	1,277	1,277	1,277	1,277	1,277
High Plains UWCD No.1	Dockum	Hockley	1,109	1,109	1,109	1,109	1,109	1,109	1,109
High Plains UWCD No.1	Dockum	Lamb	1,051	1,051	1,051	1,051	1,051	1,051	1,051
High Plains UWCD No.1	Dockum	Lubbock	1,236	1,236	1,236	1,236	1,236	1,236	1,236
High Plains UWCD No.1	Dockum	Lynn	1,039	1,039	1,039	1,039	1,039	1,039	1,039
High Plains UWCD No.1	Dockum	Parmer	6,207	6,207	6,207	6,207	5,202	5,188	5,182
High Plains UWCD No.1	Dockum	Swisher	1,796	1,796	1,796	1,796	1,796	1,796	1,796
High Plains UWCD No.1	Ogallala and Edwards-Trinity (High Plains)	Bailey	88,271	65,138	50,725	42,532	37,743	34,724	32,675
High Plains UWCD No.1	Ogallala and Edwards-Trinity (High Plains)	Castro	228,996	176,186	116,578	68,325	42,856	30,477	23,914
High Plains UWCD No.1	Ogallala and Edwards-Trinity (High Plains)	Cochran	87,584	73,991	62,095	54,265	48,561	43,632	40,036

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High Plains UWCD No. 1

GCD	Aquifer	County	Modeled Available Groundwater (acre-feet per year)						
			2020	2030	2040	2050	2060	2070	2080
High Plains UWCD No.1	Ogallala and Edwards-Trinity (High Plains)	Crosby	145,637	105,559	73,026	51,628	39,354	32,169	27,680
High Plains UWCD No.1	Ogallala and Edwards-Trinity (High Plains)	Deaf Smith	162,070	117,359	80,488	56,872	43,574	35,948	31,405
High Plains UWCD No.1	Ogallala and Edwards-Trinity (High Plains)	Floyd	157,164	93,953	65,087	52,305	44,155	39,232	35,987
High Plains UWCD No.1	Ogallala and Edwards-Trinity (High Plains)	Hale	217,265	116,615	75,108	53,298	41,142	34,308	30,298
High Plains UWCD No.1	Ogallala and Edwards-Trinity (High Plains)	Hockley	141,111	96,747	73,687	62,502	56,622	53,198	51,064
High Plains UWCD No.1	Ogallala and Edwards-Trinity (High Plains)	Lamb	204,808	120,172	77,677	60,088	52,063	47,868	45,425
High Plains UWCD No.1	Ogallala and Edwards-Trinity (High Plains)	Lubbock	135,045	110,472	100,950	95,478	91,655	88,877	86,735
High Plains UWCD No.1	Ogallala and Edwards-Trinity (High Plains)	Lynn	99,629	88,768	82,064	77,033	73,324	70,707	68,886
High Plains UWCD No.1	Ogallala and Edwards-Trinity (High Plains)	Parmer	144,423	92,025	63,568	46,835	37,743	32,290	28,757
High Plains UWCD No.1	Ogallala and Edwards-Trinity (High Plains)	Swisher	119,920	73,407	48,754	35,887	28,541	23,972	20,935

High Plains UWCD No. 1 Totals

Values from [GAM Run 21-008 MAG: Modeled Available Groundwater for the High Plains Aquifer System \(Ogallala, Edwards-Trinity \[High Plains\], and Dockum aquifers in Groundwater Management Area 2.](#)

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High Plains UWCD No. 1									
GCD	Aquifer	County	Modeled Available Groundwater (acre-feet per year)						
			2020	2030	2040	2050	2060	2070	2080
Dockum Aquifer			29,246	29,246	29,246	29,246	28,241	28,227	28,221
Ogallala and Edwards-Trinity (High Plains) aquifers			1,931,923	1,330,392	969,807	757,048	637,333	567,402	523,797

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Llano Estacado UWCD									
GCD	Aquifer	County	Modeled Available Groundwater (acre-feet per year)						
			2020	2030	2040	2050	2060	2070	2080
Llano Estacado UWCD	Dockum	Gaines	880	880	880	880	880	880	880
Llano Estacado UWCD	Ogallala and Edwards-Trinity (High Plains)	Gaines	254,329	205,486	177,777	159,523	147,028	138,157	131,974

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Mesa UWCD									
GCD	Aquifer	County	Modeled Available Groundwater (acre-feet per year)						
			2020	2030	2040	2050	2060	2070	2080
Mesa UWCD	Dockum	Dawson	640	640	640	640	640	640	640
Mesa UWCD	Ogallala and Edwards-Trinity (High Plains)	Dawson	156,735	121,336	98,590	84,192	75,448	70,262	66,945

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Permian Basin UWCD									
GCD	Aquifer	County	Modeled Available Groundwater (acre-feet per year)						
			2020	2030	2040	2050	2060	2070	2080
Permian Basin UWCD	Dockum	Howard	6,636	6,636	6,636	6,636	6,636	6,636	6,636
Permian Basin UWCD	Dockum	Martin	11,449	11,449	11,449	11,449	11,449	11,449	11,449
Permian Basin UWCD	Ogallala and Edwards-Trinity (High Plains)	Howard	16,677	15,160	14,344	13,882	13,596	13,411	13,287
Permian Basin UWCD	Ogallala and Edwards-Trinity (High Plains)	Martin	55,313	48,293	43,032	39,019	36,358	34,521	33,171
Permian Basin UWCD Totals									
Dockum Aquifer			18,085	18,085	18,085	18,085	18,085	18,085	18,085
Ogallala and Edwards-Trinity (High Plains) aquifers			71,990	63,453	57,376	52,901	49,954	47,932	46,458

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Sandy Land UWCD									
GCD	Aquifer	County	Modeled Available Groundwater (acre-feet per year)						
			2020	2030	2040	2050	2060	2070	2080
Sandy Land UWCD	Dockum	Yoakum	0	0	0	0	0	0	0
Sandy Land UWCD	Ogallala and Edwards-Trinity (High Plains)	Yoakum	128,498	90,983	70,810	59,346	53,002	49,187	46,687

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South Plains UWCD									
GCD	Aquifer	County	Modeled Available Groundwater (acre-feet per year)						
			2020	2030	2040	2050	2060	2070	2080
South Plains UWCD	Dockum	Hockley	0	0	0	0	0	0	0
South Plains UWCD	Dockum	Terry	0	0	0	0	0	0	0
South Plains UWCD	Ogallala and Edwards-Trinity (High Plains)	Hockley	4,157	2,638	1,005	493	331	265	234
South Plains UWCD	Ogallala and Edwards-Trinity (High Plains)	Terry	180,555	134,878	108,182	96,190	89,977	86,343	84,043
South Plains UWCD Totals									
Dockum Aquifer			0	0	0	0	0	0	0
Ogallala and Edwards-Trinity (High Plains) Aquifer			184,712	137,516	109,187	96,683	90,308	86,608	84,277

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No District – County									
GCD	Aquifer	County	Modeled Available Groundwater (acre-feet per year)						
			2020	2030	2040	2050	2060	2070	2080
No District-County	Dockum	Andrews	1,503	1,503	1,503	1,503	1,503	1,503	1,503
No District-County	Dockum	Borden	1,026	1,026	1,026	1,026	1,026	1,026	1,026
No District-County	Dockum	Briscoe	0	0	0	0	0	0	0
No District-County	Dockum	Castro	0	0	0	0	0	0	0
No District-County	Dockum	Crosby	81	81	81	81	81	81	81
No District-County	Dockum	Deaf Smith	7	7	7	7	7	7	7
No District-County	Dockum	Floyd	0	0	0	0	0	0	0
No District-County	Dockum	Hockley	95	95	95	95	95	95	95
No District-County	Dockum	Howard	134	134	134	134	134	134	134
No District-County	Ogallala and Edwards-Trinity (High Plains)	Andrews	22,379	19,391	17,897	16,937	16,260	15,764	15,378
No District-County	Ogallala and Edwards-Trinity (High Plains)	Borden	5,448	4,432	3,893	3,591	3,393	3,227	3,072
No District-County	Ogallala and Edwards-Trinity (High Plains)	Briscoe	26,813	17,859	12,598	9,600	7,844	6,743	6,016
No District-County	Ogallala and Edwards-Trinity (High Plains)	Castro	4,726	3,742	2,496	1,874	1,475	1,214	1,039
No District-County	Ogallala and Edwards-Trinity (High Plains)	Crosby	2,529	2,506	2,276	1,897	1,685	1,562	1,479
No District-County	Ogallala and Edwards-Trinity (High Plains)	Deaf Smith	20,853	18,024	15,387	13,553	12,267	11,301	10,556

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No District – County									
GCD	Aquifer	County	Modeled Available Groundwater (acre-feet per year)						
			2020	2030	2040	2050	2060	2070	2080
No District-County	Ogallala and Edwards-Trinity (High Plains)	Floyd	0	0	0	0	0	0	0
No District-County	Ogallala and Edwards-Trinity (High Plains)	Hockley	15,302	12,402	7,093	3,411	2,028	1,419	1,102
No District-County	Ogallala and Edwards-Trinity (High Plains)	Howard	483	471	474	483	494	504	513
No District-County Totals									
Dockum Aquifer			2,846	2,846	2,846	2,846	2,846	2,846	2,846
Ogallala and Edwards-Trinity (High Plains) aquifers			98,533	78,827	62,114	51,346	45,446	41,734	39,155

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