

Edwards (BFZ) Aquifer Status Report – June 2022

<u>DFC Analysis Over Time</u> (2000-Present) <i>Modeled Available Groundwater</i>				<u>HEUP and OP Permit Analysis</u> <i>Relative to the Modeled Available Groundwater</i>			<u>2022 YTD Prod.</u> Jan - May 674.99 Ac-ft 26.83%	<u>Pending Applications</u>		<u>Exempt Well Reservations</u>		
	DFC Adopted * Minimum Spring Flow	Status of DFC ** Current / Low	MAG *** Ac-ft	HEUP Ac-ft	OP Ac-ft	Total Permitted Ac-ft	2021 Actual Production	Available for Permitting Ac-ft	Pending Applications Ac-ft	Exempt Well Reservation Ac-ft	Exempt Well Use Estimation Ac-ft	Available Exempt Use Ac-ft
Edwards (BFZ) Aquifer	100 Ac-ft per month or 1.68 cfs	624.79 Ac-ft 6/5/2022 vs 220 Ac-ft 08/20/2014	6469	2209.7	306.29	2515.99	1751.57 Ac-ft 69.62%	3127.05	502.72	825	357	468

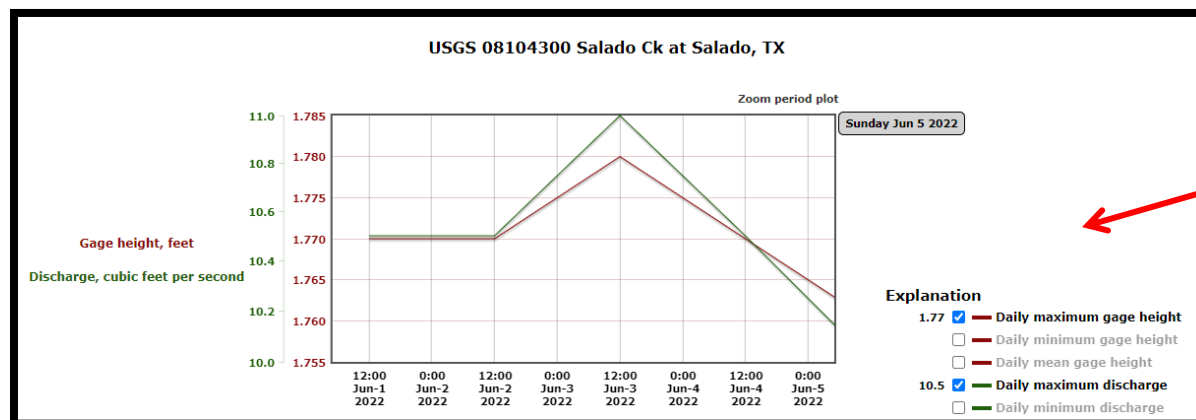
*Desired Future Conditions (DFC) established by Clearwater UWCD and approved by GMA8 and TWBD, is the description of how the aquifer should look in the future (50 years based on maintaining the Salado Spring Complex discharge during a repeat of drought conditions similar to the drought of record in the 1950's, under drought of record, a five-day average of discharge amounting to 200 ac-ft-month is preferred and 100 ac-ft/month is the minimum acceptable spring flow. Spring flow is measured and estimated by the USGS Gage in Salado Creek located below the Salado Creek Spring Complex.

**Status of the DFC is the estimated spring flow over a five-day average from the springs releasing artesian pressure from the Edwards BFZ Aquifer expressed as acre feet per month of spring flow into Salado Creek.

***The Modeled Available Groundwater (MAG) is the estimated amount of water available for permitting assigned to Clearwater UWCD by the Executive Administrator of TWDB, based on the desired future conditions.

7KX Investments N2-19-005P (500 ac-ft/yr)

Aria Prairie N2-22-001P + 7 wells (2.72 ac-ft/yr)



CFS is measured continuously at the downstream gage with USGS developing the rating curve according to industry standards and maintaining the information for public access on the USGS website.

5 - day average for June 1st – June 5th was 10.05 CFS = 624.79 ac-ft/month

5 - day average for May 5th – May 10th was 17.36 CFS = 1032.99 ac-ft/month

Non-exempt Wells--Edwards BFZ

File No	State #	Well Name	Acre-Feet			2022 Monthly Production (gallons)												YTD ac-ft	% Permit	
			Hist. Permit	Oper. Permit	Total Permit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			YTD
		Chick Landscaping	0	2.29	2.29	2,400	2,400	2,400	2,400	2,400								12,000	0.04	2%
N2-06-002G	5804324	Chick Landscaping Well #2				2,400	2,400	2,400	2,400	2,400								12,000	0.04	2%
		Jarrell-Schwertner WSC	301.20	153.00	454.20	10,296,716	10,292,137	11,671,669	12,549,253	14,350,853								59,160,628	181.56	40%
N2-02-041G	5804808	JSWSC (Prairie Dell 2)				4,290,066	4,264,686	4,956,787	5,107,122	5,806,425								24,425,086	74.96	25%
N2-02-042G	5804811	JSWSC (Prairie Dell 5)				3,283,167	3,267,896	3,620,475	4,107,421	4,693,612								18,972,571	58.22	19%
N2-03-005P	5804818	JSWSC (Prairie Dell 8)				2,723,483	2,759,555	3,094,407	3,334,710	3,850,816								15,762,971	48.37	11%
		Salado WSC	1,472.30	36.99	1,509.29	17,299,000	16,782,000	23,281,000	32,469,000	29,314,606								119,145,606	365.64	24%
N2-02-003G	5804602	Salado WSC (#1)				265,000	3,000	4,000	564,000	3,757,000								4,593,000	14.10	1%
N2-02-004G	5804604	Salado WSC (#2)				0	0	0	0	0								0	0	0%
N2-02-005G	5804508	Salado WSC (#3)				6,845,000	5,699,000	4,361,000	2,752,000	4,240,000								23,897,000	73.34	5%
N2-02-006G	5804621	Salado WSC (#4)				1,379,000	1,558,000	3,325,000	4,389,000	4,912,000								15,563,000	47.76	3%
N2-02-007G	5804509	Salado WSC (#5)				948,000	1,027,000	4,594,000	4,466,000	7,606								11,042,606	33.89	2%
N2-02-008G	5804510	Salado WSC (#6)				1,241,000	680,000	2,828,000	5,417,000	8,263,000								18,429,000	56.56	4%
N2-02-009G	5804626	Salado WSC (#7)				1,581,000	2,386,000	2,682,000	3,580,000	6,577,000								16,806,000	51.58	3%
N2-02-010G	5804512	7KX Ranch (#8)				0	0	32,000	9,561,000	1,558,000								11,151,000	34.22	2%
N2-02-011G	5804513	7KX Ranch (#9)				5,040,000	5,429,000	5,455,000	1,740,000	0								17,664,000	54.21	4%
		Schwertner Farms	328.90	74.05	402.95	7,504,095	7,225,308	7,474,176	7,656,662	9,101,897								38,962,138	119.57	30%
N2-04-001G	5812302	Schwertner Farms CCL #1				1,663,017	1,670,457	1,664,204	1,745,387	2,187,248								8,930,313	27.41	7%
N2-04-002G	5812303	Schwertner Farms CCL #2				1,663,017	1,670,457	1,664,204	1,745,387	2,187,248								8,930,313	27.41	7%
N2-04-003G	5812304	Schwertner Farms CCL #3				1,663,017	1,670,457	1,664,204	1,745,387	2,187,248								8,930,313	27.41	7%
N2-04-004G	5812206	Schwertner Farms Eastland W.				305,303	260,933	325,125	311,185	274,788								1,477,334	4.53	1%
N2-04-005G	5812305	Schwertner Farms Blackwell				355,198	276,080	324,421	341,802	334,645								1,632,146	5.01	1%
N2-04-006G	5812306	Schwertner Farms ES #1				106,399	84,452	95,944	102,574	107,130								496,499	1.52	0%
N2-04-007G	5812307	Schwertner Farms ES #2				749,275	668,865	739,517	710,940	787,202								3,655,799	11.22	3%
N2-04-008G	5812308	Schwertner Farms ES #3				701,369	578,422	606,152	576,810	659,651								3,122,404	9.58	2%
N2-10-006P	5812604	Schwertner Farms Little D.				297,500	345,185	390,405	377,190	376,737								1,787,017	5.48	1%
		Stagecoach Inn	35.30	7.02	42.32	50,500	35,500	54,200	56,200	168,600								365,000	1.12	3%
N2-02-002G	5804623	Stagecoach (deep)				50,500	35,500	54,200	56,200	168,600								365,000	1.12	3%
N2-02-037G		Stagecoach (spring)				0	0	0	0	0								0	0	0%

Non-exempt Wells--Edwards BFZ

File No	State #	Well Name	Acre-Feet			2022 Monthly Production (gallons)												YTD	YTD ac-ft	% Permit	
			Hist. Permit	Oper. Permit	Total Permit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec				
		Not Aggregated																	0%		
N1-07-001P	4061802	James Schnitker	0	1.84	1.84	50,000	50,000	50,000	50,000	50,000									250,000	0.77	42%
N1-07-003P	5805405	Ronald Gravette	0	0.38	0.38	10,333	10,333	10,333	10,333	10,333									51,665	0.16	42%
N1-07-005P	5804817	Patricia Suarez	0	0.38	0.38	10,333	10,333	10,333	10,333	10,333									51,665	0.16	42%
N1-09-004P	5804322	Domingo Perez	0	0.53	0.53	14,416	14,416	14,416	14,416	14,416									72,080	0.22	42%
N1-10-001P	4061713	Kenneth Stone	0	0.57	0.57	15,445	15,445	15,445	15,445	15,445									77,225	0.24	42%
N1-13-002P	4061714	Janet Stone	0	0.34	0.34	9,233	9,233	9,233	9,233	9,233									46,165	0.14	42%
N1-14-001P	5805406	Karen Duerr	0	0.27	0.27	7,331	7,331	7,331	7,331	7,331									36,655	0.11	42%
N1-18-002P	5812203	Windy Meadows	0	0.47	0.47	12,762	12,762	12,762	12,762	12,762									63,810	0.20	42%
N1-20-001P	4061710	Dillman Trust	0	0.59	0.59	16,060	16,060	16,060	16,060	16,060									80,300	0.25	42%
N1-20-002P	4060913	Donald & Sheryl Rich	0	0.39	0.39	10,706	10,706	10,706	10,706	10,706									53,530	0.16	42%
N2-02-016G	5804641	Arthur. W. Capps	70.50	0	70.50	90,000	90,000	90,000	90,000	90,000									450,000	1.38	2%
N2-03-004G	5804627	Salado ISD (MS)	1.50	0	1.50	9,720	9,720	0	9,720	9,720									38,880	0.12	8%
N2-04-017G	5804643	Sonic of Salado	0	0.86	0.86	1,980	2,080	2,180	2,680	2,270									11,190	0.03	4%
N2-07-005G	5803808	RLF Salado Quarries (Office)	0	3.91	3.91																0%
N2-07-010G	5804637	Bloomer Mfg.	0	2.07	2.07	8,655	0	12,413	11,436	16,005									48,509	0.15	7%
N2-08-004P	5804644	Lonnie Sherman	0	1.10	1.10	0	0	150	300	90									540	0.00	0%
N2-09-002P	5804645	O. W. Lowery	0	1.84	1.84	45,830	42,140	51,910	29,270	61,920									231,070	0.71	39%
N2-09-004G	5804646	Salado UMC	0	1.86	1.86	565	0	1,038	34,325	29,146									65,074	0.20	11%
N2-11-004P	5804631	Charles Broecker	0	0.99	0.99	3,000	0	3,000	12,000	12,000									30,000	0.09	9%
N2-11-005P	5805108	James & Terry Boston	0	1.66	1.66	2,282	1,059	1,589	1,213	1,477									7,620	0.02	1%
N2-15-003P	5804325	Anthony Craft	0	0.60	0.60	2,050	2,390	2,390	1,000										7,830	0.02	4%
N2-15-004P	5804633	Scott Law Well #1	0	0.60	0.60																0%
N2-15-005P	5804634	Scott Law Well #2, Guthrie	0	0.60	0.60	4,780	12,564	12,950	15,980	18,550									64,824	0.20	33%
N2-15-006P		Scott Law Well #3	0	0.60	0.60																0%
N2-15-007P		Scott Law Well #4	0	0.60	0.60																0%
N2-15-008P		Scott Law Well #5	0	0.60	0.60																0%
N2-15-009P	5805110	Scott Law Well #6 - Reed	0	0.60	0.60																0%
N2-15-010P	5805109	Scott Law Well #7 - Brady Woods	0	0.60	0.60	5,410	5,410	22,900	33,200										66,920	0.21	34%
N2-15-011P		Scott Law Well #8	0	0.60	0.60																0%
N2-15-012P	5804316	Scott Law Well #9 - Jana Lever	0	0.60	0.60																0%
N2-16-002G	5804647	Charles Dunifer	0	0.60	0.60	1,500	5,000	3,100	3,000	12,200									24,800	0.08	13%
N2-17-001P	5804305	Heart of Texas Feed	0	0.14	0.14	800	560	740	510	1,670									4,280	0.01	9%
N2-19-007P	5804640	Brazos Valley Equine Hospital	0	1.32	1.32	22,500	17,300	23,100	24,800	24,100									111,800	0.34	26%
N2-20-001G	5804319	SDG Properties	0	0.67	0.67																0%
N2-21-002G	5804320	R&A Hauling	0	1.34	1.34	163,510	21,155	31,419	35,808	42,278									294,170	0.90	67%
N2-21-006P	5804321	Salado RV Park	0	0.32	0.32	5,600	7,600	14,900	8,200	22,200									58,500	0.18	56%
N2-21-007P		Belton Partners LLC	0	2.50	2.50																0%
Totals:			2,209.70	306.29	2,515.99	35,677,512	34,710,942	42,913,843	53,203,576	53,438,601								219,944,474	674.99	27%	

Trinity Aquifer Status Report – June 2022

<u>DFC Analysis Over Time</u> (2000-Present) <i>Modeled Available Groundwater</i>			<u>HEUP and OP Permit Analysis</u> <i>Relative to the Modeled Available Groundwater</i>			<u>2022 YTD</u> <u>Total Prod.</u> <i>Jan - May</i> 763.21 Ac-ft 16.09%		<u>Pending Applications</u>		<u>Exempt Well Reservations</u>		
Trinity Aquifer (by layer)	DFC Adopted * Average Drawdown (by layer)	MAG ** Ac-ft	HEUP Ac-ft (by layer)	OP Ac-ft (by layer)	Total Permitted Ac-ft (by layer)	2021 YTD Prod. (by layer)	2022 YTD Prod. (by layer)	Available for Permitting Ac-ft (by layer)	Pending Applications Ac-ft (by layer)	Exempt Well Reserve Ac-ft (by layer)	2021 Exempt Well Use Estimate Ac-ft (by layer)	Available Exempt Use Ac-ft (by layer)
	Current											
Pawluxy	NA	0	0	0	0	0	0	0	0			0
Glen Rose (upper)	-1.38 ft/yr -83 ft/60 yrs	974	61.9	72.73	134.63	18.70	2.25	146.37	0	693	221	472
Hensell (middle)	-2.28 ft/yr -137 ft/60 yrs	1099	259.3	208.12	467.42	67.37	24.24	83.58	***28.00	548	516	32
Hosston (lower)	-5.50 ft/yr -330 ft/60 yrs	7193	1181.4	2959.21	4140.61	1619.53	736.72	2874.39	0	178	56	122
Total		9266	1502.6	3240.06	4742.66	1705.6 (35.95%)	763.21 (16.09%)	3104.34	28.00	1419	793	626

*Desired Future Conditions (DFC) is the description of how the aquifer should look in the future (60 years).

**The Modeled Available Groundwater (MAG) is the estimated amount of water available for permitting assigned to Clearwater UWCD by the Executive Administrator of TWDB.

***Pending applications

Rancho Vista Phase 2 N2-21-008P (5.00 ac-ft/yr)

Big Elm RV Resort N2-22-003P (23.00 ac-ft/yr)

Non-exempt Wells--Trinity

File No	State #	Well Name	Acre-Feet			2022 Monthly Production (gallons)												YTD	YTD ac-ft	% Permit
			Hist. Permit	Oper. Permit	Total Permit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
		Armstrong WSC	154.90	333.00	487.90	1,352,000	489,000	931,480	2,095,210	2,514,550								7,382,240	22.66	5%
N2-02-024G	5805202	Armstrong WSC #1				0	0	17,480	21,210	16,550								55,240	0.17	0%
N2-10-001P	5805502	Armstrong WSC #2				1,352,000	489,000	914,000	2,074,000	2,498,000								7,327,000	22.49	5%
		Bell Milam Falls WSC	262.20	0	262.20	1,961,700	2,045,100	844,000	5,961,800	8,498,900								19,311,500	59.26	23%
N2-02-038G	5806601	Bell-Milam-Falls WSC (Rogers)				673,700	270,100	0	3,249,800	4,935,900								9,129,500	28.02	11%
N2-02-046G	5814402	Bell-Milam-Falls WSC (Bartlett)				1,288,000	1,775,000	844,000	2,712,000	3,563,000								10,182,000	31.25	12%
		Central Texas WSC	0	1,776.00	1,776.00	0	0	96,458,000	1,433,000	10,502,000								108,393,000	332.65	19%
N2-14-004P	5804203	CTWSC Doc Curb				0	0	0	743,000	1,544,000								2,287,000	7.02	0%
N2-14-005P	5806202	CTWSC System Split Well				0	0	96,458,000	690,000	8,958,000								106,106,000	325.63	18%
		City of Troy	119.90	100.60	220.50	8,000	35,400	9,300	56,700	453,900								563,300	1.73	1%
N2-02-036G	4054503	City of Troy #1				8,000	1,400	9,300	56,700	26,600								102,000	0.31	0%
N2-15-002P	4054201	City of Troy #2					34,000	0	0	427,300								461,300	1.42	1%
		East Bell WSC	69.70	114.85	184.55	785,000	884,000	1,129,000	1,156,000	833,000								4,787,000	14.69	10%
N2-02-034G	4063501	East Bell WSC #1				458,000	561,000	778,000	693,000	379,000								2,869,000	8.80	8%
N2-04-010P	5806301	East Bell WSC #2				327,000	323,000	351,000	463,000	454,000								1,918,000	5.89	4%
		Leon River Turkey Farms	60.90	0	60.90	15,900	14,100	17,100	18,300	19,500								84,900	0.26	0%
N2-02-043G	4053301	Leon River Turkey (East)				7,500	4,000	6,200	6,800	7,200								31,700	0.10	0%
N2-02-044G	4053302	Leon River Turkey (West)				1,000	900	1,100	1,200	1,300								5,500	0.02	0%
N2-02-045G	5805403	Leon River Turkey				7,400	9,200	9,800	10,300	11,000								47,700	0.15	0%
		Lhoist	40.00	0	40.00															0%
N2-03-002G	4060101	LHoist #1																		0%
N2-03-003G	4060102	LHoist #2																		0%
		Moffat WSC	47.70	157.80	205.50	6,001,000	4,299,000	6,231,000	7,581,000	4,242,000								28,354,000	87.02	42%
N2-02-022G	4053406	Moffat WSC #1				824,000	923,000	1,271,000	1,488,000	2,176,000								6,682,000	20.51	10%
N2-13-001P	4053507	Moffat WSC #2				5,177,000	3,376,000	4,960,000	6,093,000	2,066,000								21,672,000	66.51	32%
		Pendleton WSC	75.30	36.90	112.20	1,522,400	660,200	1,946,500	2,949,500	3,483,500								10,562,100	32.41	29%
N2-02-047G	4054401	Pendleton WSC (#1)				1,425,400	660,200	695,500	1,571,200	1,860,800								6,213,100	19.07	17%
N2-02-048G	4054502	Pendleton WSC (#2)				97,000	0	1,251,000	1,378,300	1,622,700								4,349,000	13.35	12%

Non-exempt Wells--Other

File No	State #	Well Name	Acre-Feet			2022 Monthly Production (gallons)												YTD ac-ft	% Permit	
			Hist. Permit	Oper. Permit	Total Permit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			YTD
		Bradley Ware	0	160.00	160.00	2,346,129	2,769,736	2,313,544	3,095,587	2,900,077								13,425,073	41.20	26%
N2-11-001G	5802106	Bradley B. Ware				1,759,597	1,987,693	1,694,427	2,248,374	1,889,938								9,580,029	29.40	18%
N2-11-002G	5802107	Bradley B. Ware				586,532	782,043	619,117	847,213	1,010,139								3,845,044	11.80	7%
		Strasburger Farms	271.80	33.84	305.64	0	0	0	3,888,000	25,680,000								29,568,000	90.74	30%
N2-02-026G		DO NOT USE - Strasburger Farms (#2)																		0%
N2-02-027G	5806801	Strasburger Farms (#4)				0	0	0	0	0								0	0	0%
N2-02-028G		DO NOT USE-Strasburger Farms (#5)																		0%
N2-02-029G	5806802	Strasburger Farms (#6)				0	0	0	0	0								0	0	0%
N2-02-030G	5806901	Strasburger Farms (#10)				0	0	0	0	0								0	0	0%
N2-02-031G	5806902	Strasburger Farms (#11)				0	0	0	0	7,536,000								7,536,000	23.13	8%
N2-02-032G	5806803	Strasburger Farms (#15)				0	0	0	0	0								0	0	0%
N2-02-033G	5806804	Strasburger Farms (#16)				0	0	0	0	0								0	0	0%
N2-12-002P	5806805	Strasburger Farms (#5)				0	0	0	3,888,000	4,590,000								8,478,000	26.02	9%
N2-18-001P	5806501	Strasburger Farms (#2)				0	0	0	0	13,554,000								13,554,000	41.60	14%
		Not Aggregated																		0%
N1-04-001P	5806701	Stephen Spinn	0	0.56	0.56	15,207	15,207	15,207	15,207	15,207								76,035	0.23	42%
N1-11-001P	4060603	Roy Rodriguez	0	0.55	0.55	15,000	15,000	15,000	15,000	15,000								75,000	0.23	42%
N1-16-007P	5805903	Wells Fargo Bank	0	0.79	0.79	21,390	21,390	21,390	21,390	21,390								106,950	0.33	42%
N1-21-001P	5814101	Kelly Carter	0	0.87	0.87	23,664	23,664	23,664	23,664	23,664								118,320	0.36	42%
N2-06-007G	4061903	Misty Creek HOA	0	6.45	6.45	14,200	12,000	14,500	14,700	15,200								70,600	0.22	3%
N2-07-013G	5806104	D.R. Dorsey Properties	0	2.47	2.47	40	35	45	31	32								183	0.00	0%
N2-07-014P	4061607	Barking Oaks	0	0.62	0.62	5,260	5,430	6,050	6,280	5,860								28,880	0.09	14%
N2-08-005G	4061511	Lone Star Paving	0	1.07	1.07	46	88	59	60	142								395	0.00	0%
N2-08-007G	4061512	Trio Investments	0	0.18	0.18	100	200	100	100	100								600	0.00	1%
N2-10-007P	4061715	Goode Towing	0	0.05	0.05	0	0	0	0	0								0	0	0%
N2-14-001G	5806806	Mikeska	0	100.00	100.00	0	0	0	0	0								0	0	0%
N2-16-001P	4061410	Strike 3 Bail Bonds	0	0.12	0.12	300	310	300	280	320								1,510	0.00	4%
N2-20-006G	4061711	Reddylee LLC	0	9.97	9.97	63,180	47,440	48,070	68,680	87,380								314,750	0.97	10%
Totals:			271.80	317.54	589.34	2,504,516	2,910,500	2,457,929	7,148,979	28,764,372								43,786,296	134.38	23%