

Edwards (BFZ) Aquifer Status Report – June 2023

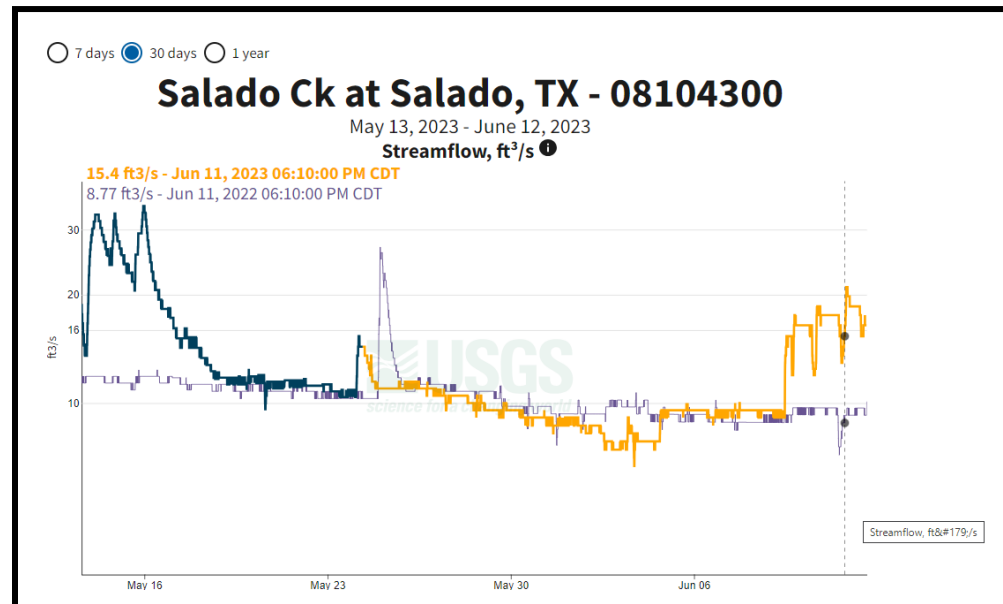
<u>DFC Analysis Over Time</u> (2000-Present) <i>Modeled Available Groundwater</i>			<u>HEUP and OP Permit Analysis</u> <i>Relative to the Modeled Available Groundwater</i>			<u>2023 YTD Prod.</u> <i>Jan - May</i> 576.45 Ac-ft 23.44%	<u>Pending Applications</u>		<u>Exempt Well Reservations</u>			
Edwards (BFZ) Aquifer	DFC Adopted * Minimum Spring Flow	Status of DFC ** Current / Low	MAG *** Ac-ft	HEUP Ac-ft	OP Ac-ft	Total Permitted Ac-ft	2022 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
	100 Ac-ft per month or 1.68 cfs	913.271 Ac-ft 6/11/2023 vs 220 Ac-ft 08/20/2014	6469	2139.20	319.88	2459.08	1995.86 Ac-ft 81.16%	3184.92	500	825	361	464

**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)



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 6th – June 11th was 15.348 CFS =913.271 ac-ft/month

5 - day average for May 3rd – May 8th was 13.752 CFS = 818.302 ac-ft/month

Trinity Aquifer Status Report – June 2023

<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>2023 YTD</u> <u>Total Prod.</u> <i>Jan - May</i> 674.56 ac-ft 13.51%		<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)	2022 YTD Prod. (by layer)	2023 YTD Prod. (by layer)	Available for Permitting Ac-ft (by layer)	Pending Applications Ac-ft (by layer)	Exempt Well Reserve Ac-ft (by layer)	2022 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	23.79	7.64	146.37	0	693	189	504
Hensell (middle)	-2.28 ft/yr -137 ft/60 yrs	1099	259.3	207.77	467.07	67.06	16.66	73.23	***23.00	548	527	21
Hosston (lower)	-5.50 ft/yr -330 ft/60 yrs	7193	1181.4	3209.21	4390.61	1842.71	650.26	2624.39	0.38	178	59	119
Total		9266	1502.6	3489.71	4992.31	1933.56 (40.77%)	674.56 (13.51%)	2854.69	23.38	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

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

Ken Baumgardner N3-23-003P (0.38 ac-ft/yr)

Non-exempt Wells--Trinity

File No	State #	Well Name	Acre-Feet			2023 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	3,580	70	3,740	2,170	348,900								358,460	1.10	0%
N2-02-024G	5805202	Armstrong WSC #1				3,580	70	3,740	2,170	13,900								23,460	0.07	0%
N2-10-001P	5805502	Armstrong WSC #2				0	0	0	0	335,000								335,000	1.03	0%
		Bell Milam Falls WSC	262.20	0	262.20	3,480,500	2,627,300	3,510,800	6,225,800	7,926,300								23,770,700	72.95	28%
N2-02-038G	5806601	Bell-Milam-Falls WSC (Rogers)				577,500	7,300	178,800	2,734,800	4,502,300								8,000,700	24.55	9%
N2-02-046G	5814402	Bell-Milam-Falls WSC (Bartlett)				2,903,000	2,620,000	3,332,000	3,491,000	3,424,000								15,770,000	48.40	18%
		Central Texas WSC	0	1,776.00	1,776.00	8,950,000	11,683,000	12,243,000	10,004,000	8,762,000								51,642,000	158.48	9%
N2-14-004P	5804203	CTWSC Doc Curb				0	0	0	0	0								0	0	0%
N2-14-005P	5806202	CTWSC System Split Well				8,950,000	11,683,000	12,243,000	10,004,000	8,762,000								51,642,000	158.48	9%
		City of Troy	119.90	350.60	470.50	739,200	817,500	1,131,900	962,900	882,300								4,533,800	13.91	3%
N2-02-036G	4054503	City of Troy #1				739,200	817,500	1,131,900	962,900	882,300								4,533,800	13.91	3%
N2-15-002P	4054201	City of Troy #2				0	0	0	0	0								0	0	0%
		East Bell WSC	69.70	114.85	184.55	461,080	547,140	190,820	95,000	928,770								2,222,810	6.82	5%
N2-02-034G	4063501	East Bell WSC #1				266,000	418,000	179,000	95,000	133,000								1,091,000	3.35	3%
N2-04-010P	5806301	East Bell WSC #2				195,080	129,140	11,820	0	795,770								1,131,810	3.47	2%
		Leon River Turkey Farms	60.90	0	60.90	15,000	16,400	16,300	15,600	15,800								79,100	0.24	0%
N2-02-043G	4053301	Leon River Turkey (East)				6,800	7,100	7,000	6,700	6,600								34,200	0.11	0%
N2-02-044G	4053302	Leon River Turkey (West)				1,100	1,300	1,200	1,100	1,200								5,900	0.02	0%
N2-02-045G	5805403	Leon River Turkey				7,100	8,000	8,100	7,800	8,000								39,000	0.12	0%
		Lhoist	40.00	0	40.00	20,786	22,145	25,374	32,088	32,097								132,490	0.41	1%
N2-03-002G	4060101	LHoist #1				20,786	22,145	25,374	32,088	32,097								132,490	0.41	1%
N2-03-003G	4060102	LHoist #2																		0%
		Moffat WSC	47.70	157.80	205.50	3,645,000	4,610,000	8,635,000	9,512,000	8,645,000								35,047,000	107.56	52%
N2-02-022G	4053406	Moffat WSC #1				1,135,000	1,168,000	1,282,000	1,453,000	1,914,000								6,952,000	21.33	10%
N2-13-001P	4053507	Moffat WSC #2				2,510,000	3,442,000	7,353,000	8,059,000	6,731,000								28,095,000	86.22	42%
		Pendleton WSC	75.30	36.90	112.20	3,308,100	2,693,800	2,425,900	2,122,600	2,000,500								12,550,900	38.52	34%
N2-02-047G	4054401	Pendleton WSC (#1)				1,688,300	1,318,200	1,877,500	353,600	617,600								5,855,200	17.97	16%
N2-02-048G	4054502	Pendleton WSC (#2)				1,619,800	1,375,600	548,400	1,769,000	1,382,900								6,695,700	20.55	18%

Non-exempt Wells--Other

File No	State #	Well Name	Acre-Feet			2023 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	1,531,501	1,759,597	1,531,501	1,042,724	391,021								6,256,344	19.20	12%
N2-11-001G	5802106	Bradley B. Ware				1,173,065	1,270,820	684,288	1,042,724									4,170,897	12.80	8%
N2-11-002G	5802107	Bradley B. Ware				358,436	488,777	847,213		391,021								2,085,447	6.40	4%
		Strasburger Farms	271.80	33.84	305.64	0	0	0	0	0							0	0	0%	
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	0								0	0	0%
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	0	0								0	0	0%
N2-18-001P	5806501	Strasburger Farms (#2)				0	0	0	0	0								0	0	0%
		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 Rodriquez	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	17,050	17,000	17,500	15,500	12,000								79,050	0.24	4%
N2-07-013G	5806104	D.R. Dorsey Properties	0	2.47	2.47	8	17	5	7	4								41	0.00	0%
N2-07-014P	4061607	Barking Oaks	0	0.62	0.62	5,690		5,760	5,370	5,860								22,680	0.07	11%
N2-08-005G	4061511	Lone Star Paving	0	1.07	1.07	63	113	110	124	58								468	0.00	0%
N2-08-007G	4061512	Trio Investments	0	0.18	0.18	100	100	100	100	100								500	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	390	360	270	310	240								1,570	0.00	4%
Totals:			271.80	307.57	579.37	1,630,063	1,852,448	1,630,507	1,139,396	484,544								6,736,958	20.67	4%