

Edwards (BFZ) Aquifer Status Report – January 2022

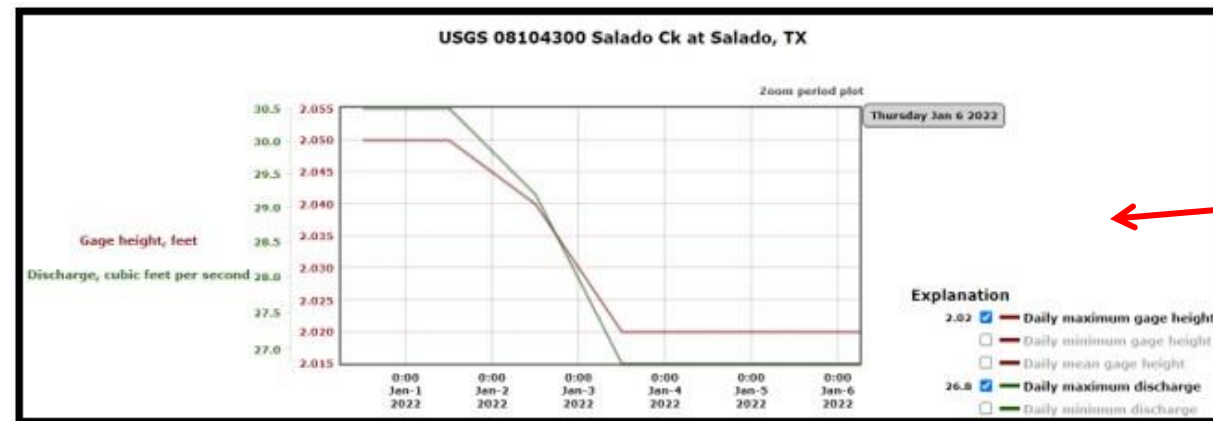
<u>DFC Analysis Over Time</u> (2000-Present) <i>Modeled Available Groundwater</i>				<u>HEUP and OP Permit Analysis</u> <i>Relative to the Modeled Available Groundwater</i>			<u>2021 YTD Prod.</u> Jan - Dec 1751.57 Ac-ft 69.62%	<u>Pending Applications</u>		<u>Exempt Well Reservations</u>		
	DFC Adopted * Minimum Spring Flow	Status of DFC ** Current / Low	MAG *** Ac-ft	HEUP Ac-ft	OP Ac-ft	Total Permitted Ac-ft	2020 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	1639.94 Ac-ft 1/6/2022 vs 220 Ac-ft 08/20/2014	6469	2209.7	307.25	2516.95	2,189.47 Ac-ft 87.13%	3127.05	500.00	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)



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 January 2nd – January 6th was 27.56 CFS = 1639.94 ac-ft/month

5 - day average for November 26th – November 30th was 24.84 CFS = 1478.08 ac-ft/month

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Trinity Aquifer Status Report – January 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>2021 YTD</u> <u>Total Prod.</u> <i>Jan - Dec</i> 1705.19 Ac-ft 35.86%		<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)	2020 YTD Prod. (by layer)	2021 YTD Prod. (by layer)	Available for Permitting Ac-ft (by layer)	Pending Applications Ac-ft (by layer)	Exempt Well Reserve Ac-ft (by layer)	2020 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	71.28	133.18	25.85	18.70	147.82	0	693	194	499
Hensell (middle)	-2.28 ft/yr -137 ft/60 yrs	1099	259.3	211.25	470.55	93.69	66.99	80.45	0	548	524	24
Hosston (lower)	-5.50 ft/yr -330 ft/60 yrs	7193	1181.4	2969.38	4150.78	1119.97	1619.50	2864.22	***4.9	178	53	125
Total		9266	1502.6	3251.91	4754.51	1239.50 (27.45%)	1705.19 (35.86%)	3092.49	4.9	1419	771	648

*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

Stillman Valley Ranchettes N2-20-008P (2.6 ac-ft/yr)

Stillman Valley Ranchettes N2-20-009P (2.3 ac-ft/yr)

Clearwater Production Report 2021

File No	State #	Well Name	Hist Permit AF	Oper Permit AF	Total Permit AF	Monthly Gallons												YTD Total	YTD ac-ft	% of Total Permit Used
						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
Alluvium Total			271.80	296.06	567.86	2,024,291	1,340,002	2,122,046	3,197,355	851,225	9,497,273	2,634,486	8,922,678	8,799,805	1,819,858	1,233,326	1,917,614	44,359,959	136.14	
Bradley Ware Total			-	160.00	160.00	1,987,694	1,303,405	2,085,449	3,160,758	814,628	1,727,012	2,574,225	3,030,417	2,313,544	1,759,597	1,173,065	1,857,353	23,787,147	73.00	
N2-11-001G	5802106	Bradley B. Ware	-			1,368,576	1,010,139	1,564,087	2,248,374	684,288	1,270,820	1,564,086	1,987,693	1,694,427	1,238,235	716,873	1,173,065	16,520,663	50.70	32%
N2-11-002G	5802107	Bradley B. Ware	-			619,118	293,266	521,362	912,384	130,340	456,192	1,010,139	1,042,724	619,117	521,362	456,192	684,288	7,266,484	22.30	14%
Not Aggregated Total			-	102.22	102.22	36,597	36,597	36,597	36,597	36,597	60,261	60,261	60,261	60,261	60,261	60,261	60,261	604,812	1.86	
N1-04-001P	5806701	Stephen Spinn	-	0.56	0.56	15,207	15,207	15,207	15,207	15,207	15,207	15,207	15,207	15,207	15,207	15,207	15,207	182,484	0.56	100%
N1-16-007P	5805903	Wells Fargo Bank	-	0.79	0.79	21,390	21,390	21,390	21,390	21,390	21,390	21,390	21,390	21,390	21,390	21,390	21,390	256,680	0.79	100%
N1-21-001P	5814101	Kelly Carter	-	0.87	0.87						23,664	23,664	23,664	23,664	23,664	23,664	23,664	165,648	0.51	58%
N2-14-001G	5806806	Mikeska	-	100.00	100.00	-												-	-	0%
Strasburger Farms Total			271.80	33.84	305.64	-	-	-	-	-	7,710,000	-	5,832,000	6,426,000	-	-	-	19,968,000	61.28	
N2-02-026G		DO NOT USE - Strasburger Farms (#2)																		
N2-02-027G	5806801	Strasburger Farms (#4)				-												-	-	0%
N2-02-028G		DO NOT USE-Strasburger Farms (#5)																		
N2-02-029G	5806802	Strasburger Farms (#6)				-												-	-	0%
N2-02-030G	5806901	Strasburger Farms (#10)				-												-	-	0%
N2-02-031G	5806902	Strasburger Farms (#11)				-					3,120,000							3,120,000	9.57	3%
N2-02-032G		Strasburger Farms (#15)				-												-	-	0%
N2-02-033G	5806804	Strasburger Farms (#16)				-												-	-	0%
N2-12-002P	5806805	Strasburger Farms (#5)				-					1,296,000							1,296,000	3.98	1%
N2-18-001P	5806501	Strasburger Farms (#2)				-					3,294,000		5,832,000	6,426,000				15,552,000	47.73	16%
Austin Chalk Total			-	6.45	6.45	17,050	17,000	17,500	15,500	12,000	14,500	14,500	14,200	14,500	11,800	14,700	15,800	179,050	0.55	
Not Aggregated Total			-	6.45	6.45	17,050	17,000	17,500	15,500	12,000	14,500	14,500	14,200	14,500	11,800	14,700	15,800	179,050	0.55	
N2-06-007G	4061903	Misty Creek HOA	-	6.45	6.45	17,050	17,000	17,500	15,500	12,000	14,500	14,500	14,200	14,500	11,800	14,700	15,800	179,050	0.55	9%
Ozan Total			-	2.47	2.47	125	-	350	175	21	45	25	45	45	44	25	85	985	-	
Not Aggregated Total			-	2.47	2.47	125	-	350	175	21	45	25	45	45	44	25	85	985	-	
N2-07-013G	5806104	D.R. Dorsey Properties	-	2.47	2.47	125	-	350	175	21	45	25	45	45	44	25	85	985	-	0%
Edwards Equivalent Total			-	12.56	12.56	21,882	21,606	24,265	48,226	29,374	64,373	46,137	80,032	132,895	94,505	61,614	99,308	724,217	2.21	
Not Aggregated Total			-	12.56	12.56	21,882	21,606	24,265	48,226	29,374	64,373	46,137	80,032	132,895	94,505	61,614	99,308	724,217	2.21	
N1-11-001P	4060603	Roy Rodriguez	-	0.55	0.55	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	180,000	0.55	100%
N2-07-014P	4061607	Barking Oaks	-	0.62	0.62	5,870	5,680	5,460	5,980	5,230	5,680	5,890	6,218	5,860	5,480	5,980	6,180	69,508	0.21	34%
N2-08-005G	4061511	Lone Star Paving	-	1.07	1.07	52	86	3,085	4,056	5,034	1,073	257	224	95	40	114	48	14,164	0.04	4%
N2-08-007G	4061512	Trio Investments	-	0.18	0.18	600	600	400	200	100	200	100	100	200	100	100	100	2,800	0.01	5%
N2-10-007P	4061715	Goode Towing	-	0.05	0.05	-												-	-	0%
N2-16-001P	4061410	Strike 3 Bail Bonds	-	0.12	0.12	360	240	320	320	300	310	410	420	460	415	360	320	4,235	0.01	11%
N2-20-006G	4061711	Reddylee LLC	-	9.97	9.97				22,670	3,710	42,110	24,480	58,070	111,280	73,470	40,060	77,660	453,510	1.39	14%