

Edwards (BFZ) Aquifer Status Report – April 2021

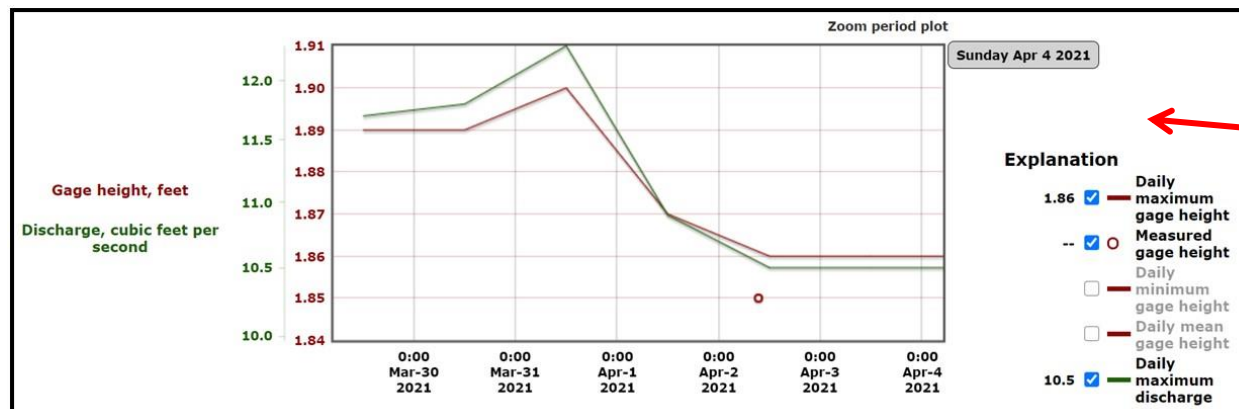
<u>DFC Analysis Over Time</u> (2000-Present) <i>Modeled Available Groundwater</i>				<u>HEUP and OP Permit Analysis</u> <i>Relative to the Modeled Available Groundwater</i>			<u>2021 YTD Prod.</u> Jan - Mar 356.67 Ac-ft 14.19%	<u>Pending Applications</u>		<u>Exempt Well Reservations</u>		
	DFC Adopted * 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	666.45 Ac-ft 4/4/2021 vs 220 Ac-ft 08/20/2014	6469	2209.7	303.09	2512.79	2,189.47 Ac-ft 87.13%	3131.21	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)

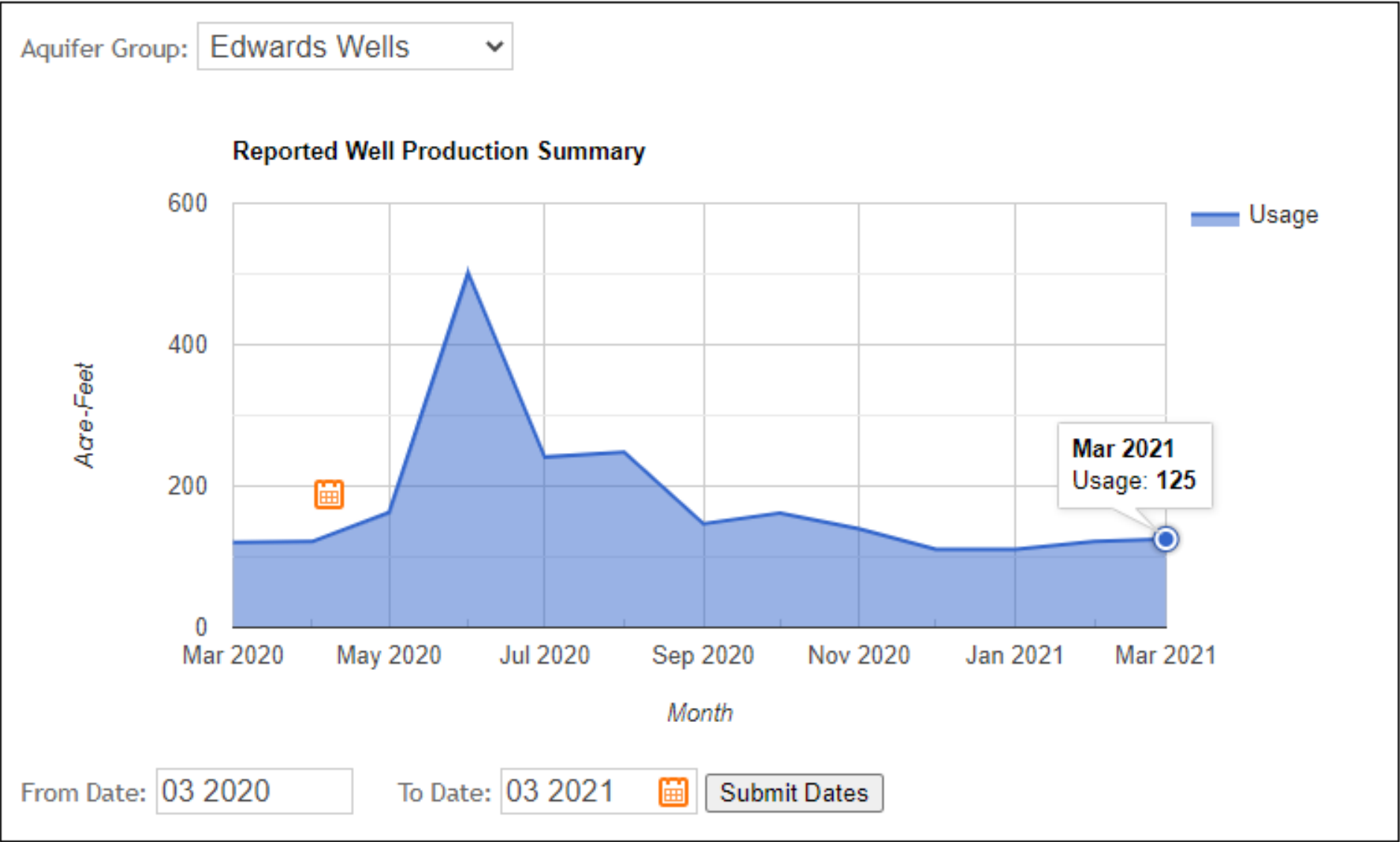


CFS is measured continuously at the downstream gage with USGS developing the rating curve according to industry standards and maintaining the information for public access on the USGS website.

5 - day average for February 24th – March 1st was 19.68 CFS = 1171.04 ac-ft/month

5 - day average for February 3rd – February 7th was 10.056 CFS = 598.37 ac-ft/month

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Trinity Aquifer Status Report – April 2021

<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 - Mar</i> 351.13 Ac-ft 7.78%		<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	72.13	134.03	25.85	1.12	146.97	0	693	194	499
Hensell (middle)	-2.28 ft/yr -137 ft/60 yrs	1099	259.3	208.40	467.70	93.69	12.33	83.30	***2.00	548	524	24
Hosston (lower)	-5.50 ft/yr -330 ft/60 yrs	7193	1181.4	2732.64	3914.04	1119.97	337.68	3100.96	*** 1732.8	178	53	125
Total		9266	1502.6	3013.17	4515.77	1239.50 (27.45%)	351.13 (7.78%)	3331.62	1702.8	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.

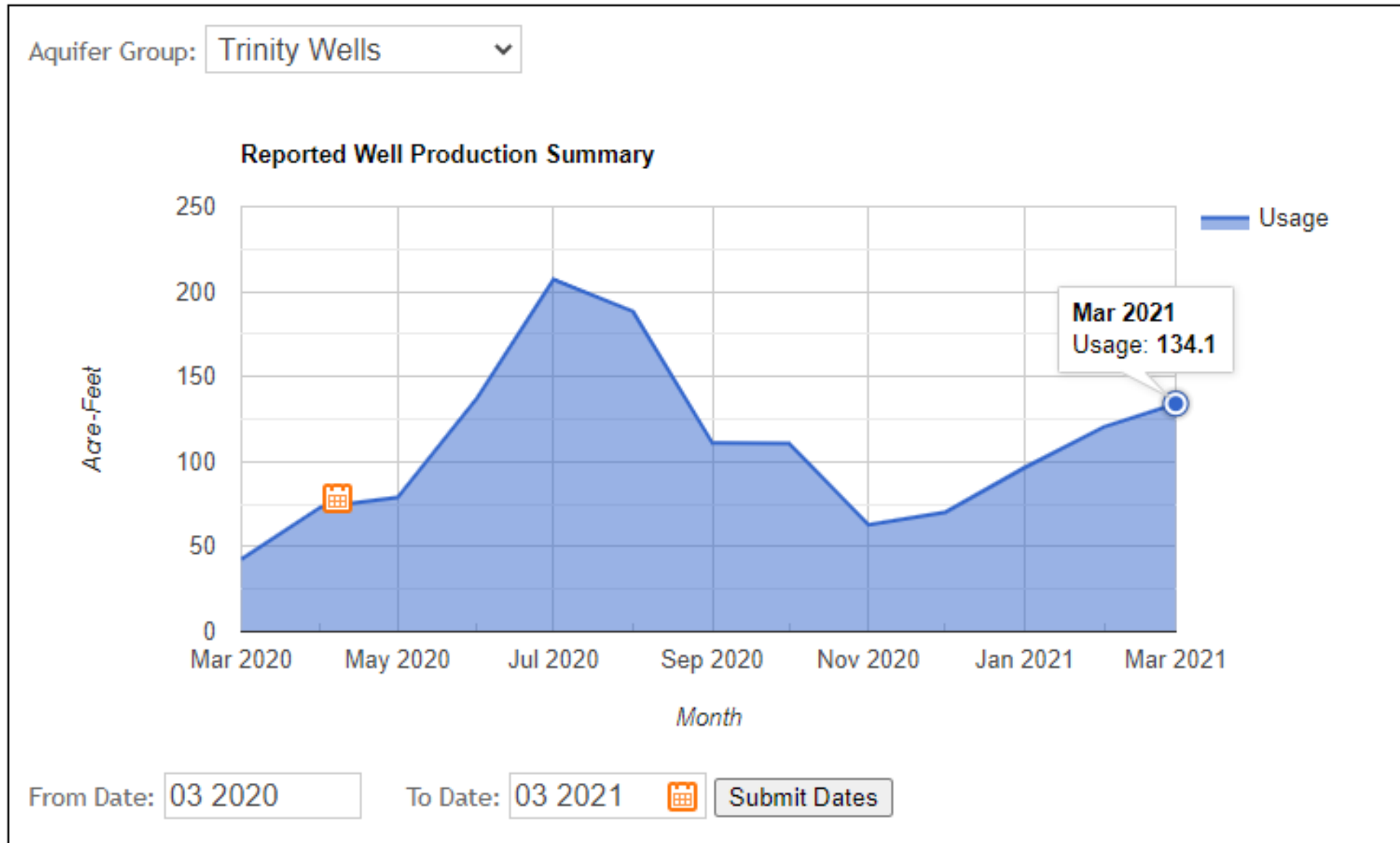
***Pending applications

Trinity Oasis LLC Operating Permit N2-13-002P (1702.8 ac-ft/yr) (this permit amount not reflected in Trinity Aquifer total permit amount; production contingent on TCEQ approval and plant construction)

Victory Rock LLC Operating Permit N2-20-007G (2.00 ac-ft/yr) from the Hensell

Victory Rock LLC Operating Permit N2-21-001P (30.00 ac-ft/yr) from the Hosston

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Non-Exempt Wells--Other

Acre-Feet

2021 Monthly Production (gallons)

File No.	State #	Name	Acre-Feet			2021 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			
		Bradley Ware	0.00	160.00	160.00	1,987,694	1,303,405	2,085,449	0	0	0	0	0	0	0	0	0	5,376,548	16.50	10.31%
N2-11-001G		Bradley B. Ware				1,368,576	1,010,139	1,564,087	0	0	0	0	0	0	0	0	0	3,942,802	12.10	7.56%
N2-11-002G		Bradley B. Ware				619,118	293,266	521,362	0	0	0	0	0	0	0	0	0	1,433,746	4.40	2.75%
Not Aggregated																				
N2-07-014P		Barking Oaks		0.62	0.62	5,870	5,680	5,460	0	0	0	0	0	0	0	0	0	17,010	0.05	8.06%
N2-07-013G		D.R. Dorsey Properties		2.47	2.47	125	0	350	0	0	0	0	0	0	0	0	0	475	0.00	0.00%
N2-10-007P		Goode Towing		0.05	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00%
N2-08-005G		Lone Star Paving		1.07	1.07	0	86	3,085	0	0	0	0	0	0	0	0	0	3,171	0.01	0.93%
N2-14-001G		Mikeska		100.00	100.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00%
N2-06-007G		Misty Creek HOA		6.45	6.45	17,050	17,000	17,500	0	0	0	0	0	0	0	0	0	51,550	0.16	2.48%
N1-11-001P		Roy Rodriguez		0.55	0.55	15,000	15,000	15,000	0	0	0	0	0	0	0	0	0	45,000	0.14	25.45%
N1-04-001P		Stephen Spinn		0.56	0.56	15,207	15,207	15,207	0	0	0	0	0	0	0	0	0	45,621	0.14	25.00%
N2-16-001P		Strike 3 Bail Bonds		0.12	0.12	360	240	320	0	0	0	0	0	0	0	0	0	920	0.00	0.00%
N2-08-007G		Trio Investments		0.18	0.18	600	600	400	0	0	0	0	0	0	0	0	0	1,600	0.00	0.00%
N1-16-007P		Wells Fargo Bank		0.79	0.79	21,390	21,390	21,390	0	0	0	0	0	0	0	0	0	64,170	0.20	25.32%
Strasburger Farms																				
		Strasburger Farms	271.80	33.84	305.64	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00%
N2-02-030G		Strasburger Farms (#10)				0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00%
N2-02-031G		Strasburger Farms (#11)				0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00%
N2-02-032G		Strasburger Farms (#15)				0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00%
N2-02-033G		Strasburger Farms (#16)				0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00%
N2-18-001P		Strasburger Farms (#2)				0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00%
N2-02-027G		Strasburger Farms (#4)				0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00%
N2-12-002P		Strasburger Farms (#5)				0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00%
N2-02-029G		Strasburger Farms (#6)				0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00%
Totals:			271.80	316.67	588.47	2,063,296	1,378,608	2,164,161	0	0	0	0	0	0	0	0	0	5,606,065	17.20	2.92%