

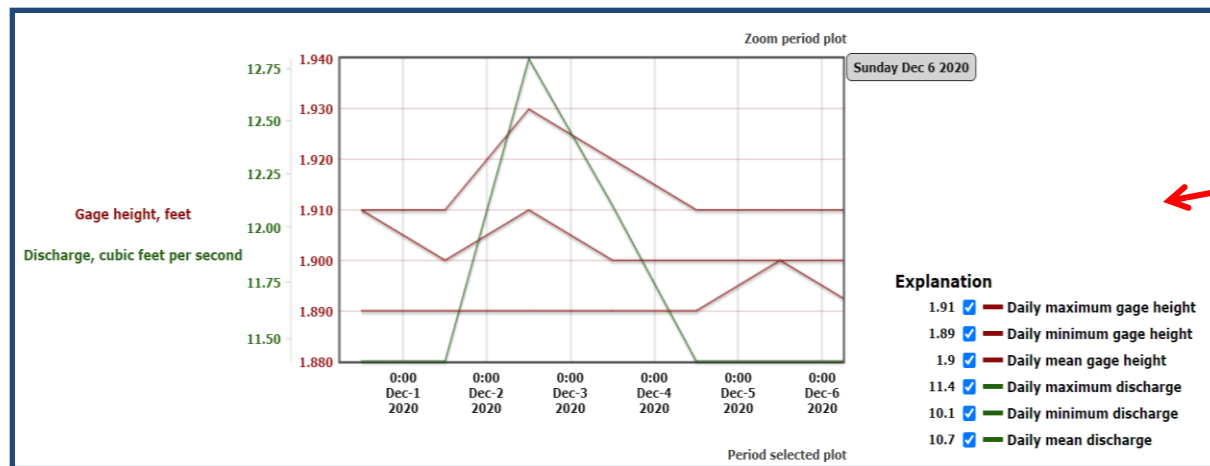
Edwards (BFZ) Aquifer Status Report – December 2020

<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>2020 YTD Prod.</u> Jan - Nov 2,056.23 Ac-ft 81.83%	<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	2019 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	600.99 Ac-ft 11/9/2020 vs 220 Ac-ft 08/20/2014	6469	2209.7	303.09	2512.79	1,994.27 Ac-ft 79.44%	3131.21	0	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.

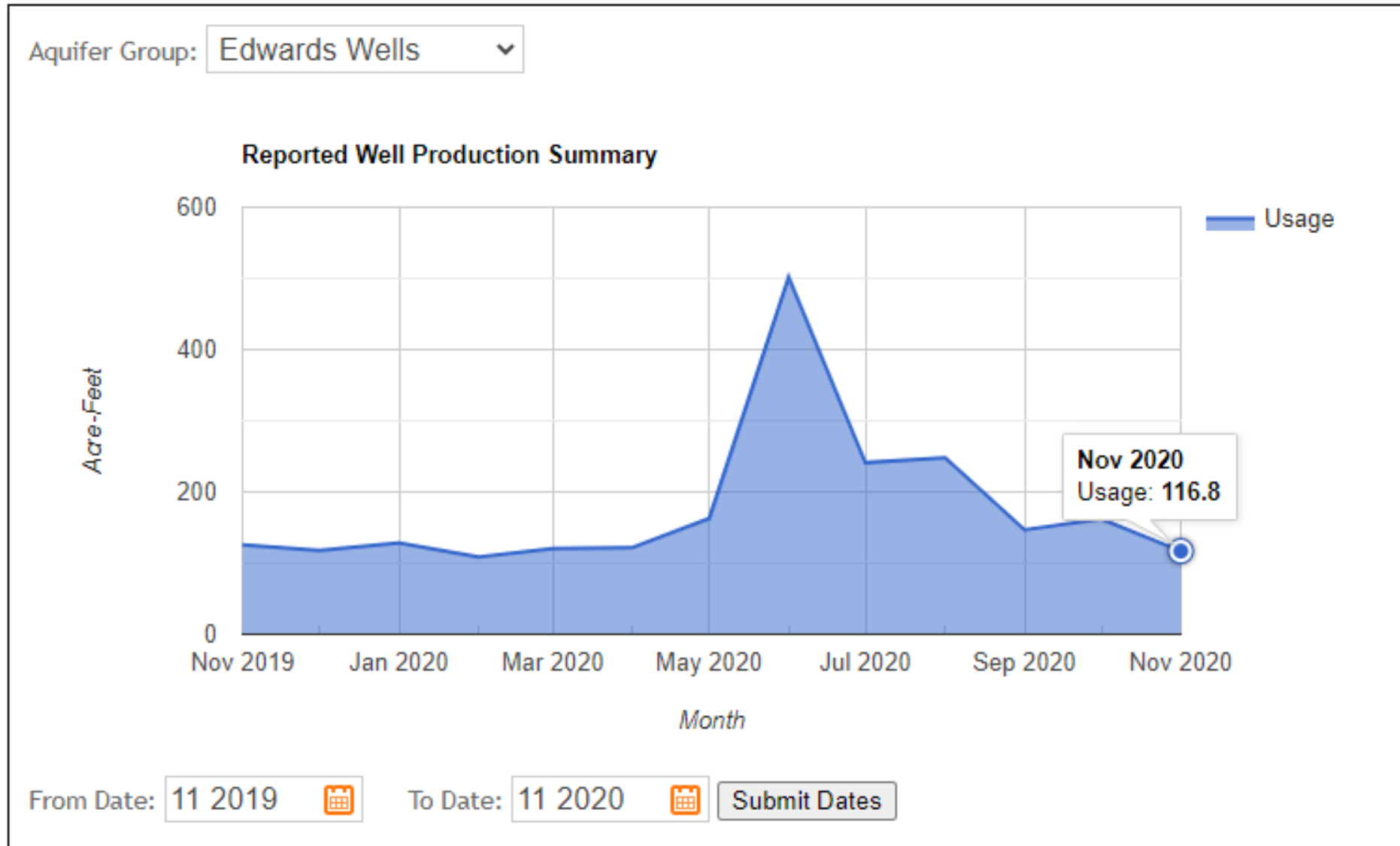


CFS is measured continuously at the downstream gage with USGS developing the rating curve according to industry standards and maintaining the information for public access on the USGS website.

5 - day average for November 29th – December 3rd was 10.34 CFS = 615.15 ac-ft/month

5 - day average for November 4th – November 8th was 10.1 CFS = 600.99 ac-ft/month

Edwards (BFZ) Aquifer Status Report – December 2020



Trinity Aquifer Status Report – December 2020

<u>DFC Analysis Over Time</u> (2000-Present) Modeled Available Groundwater			<u>HEUP and OP Permit Analysis</u> Relative to the Modeled Available Groundwater			<u>2020 YTD</u> <u>Total Prod.</u> Jan - Nov 1,167.09 Ac-ft 25.84%		<u>Pending</u> <u>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)	2019 YTD Prod. (by layer)	2020 YTD Prod. (by layer)	Available for Permitting Ac-ft (by layer)	Pending Applications Ac-ft (by layer)	Exempt Well Reserve Ac-ft (by layer)	2019 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	48.84	25.49	146.97	0	693	223	470
Hensell (middle)	-2.28 ft/yr -137 ft/60 yrs	1099	259.3	208.40	467.70	81.32	85.68	83.30	0	548	490	58
Hosston (lower)	-5.50 ft/yr -330 ft/60 yrs	7193	1181.4	2732.64	3914.04	1009.73	1055.92	3100.96	*** 1702.8	178	52	126
Total		9266	1502.6	2996.61	4515.77	1139.90 (25.34%)	1167.09 (25.84%)	3331.62	1702.8	1419	765	654

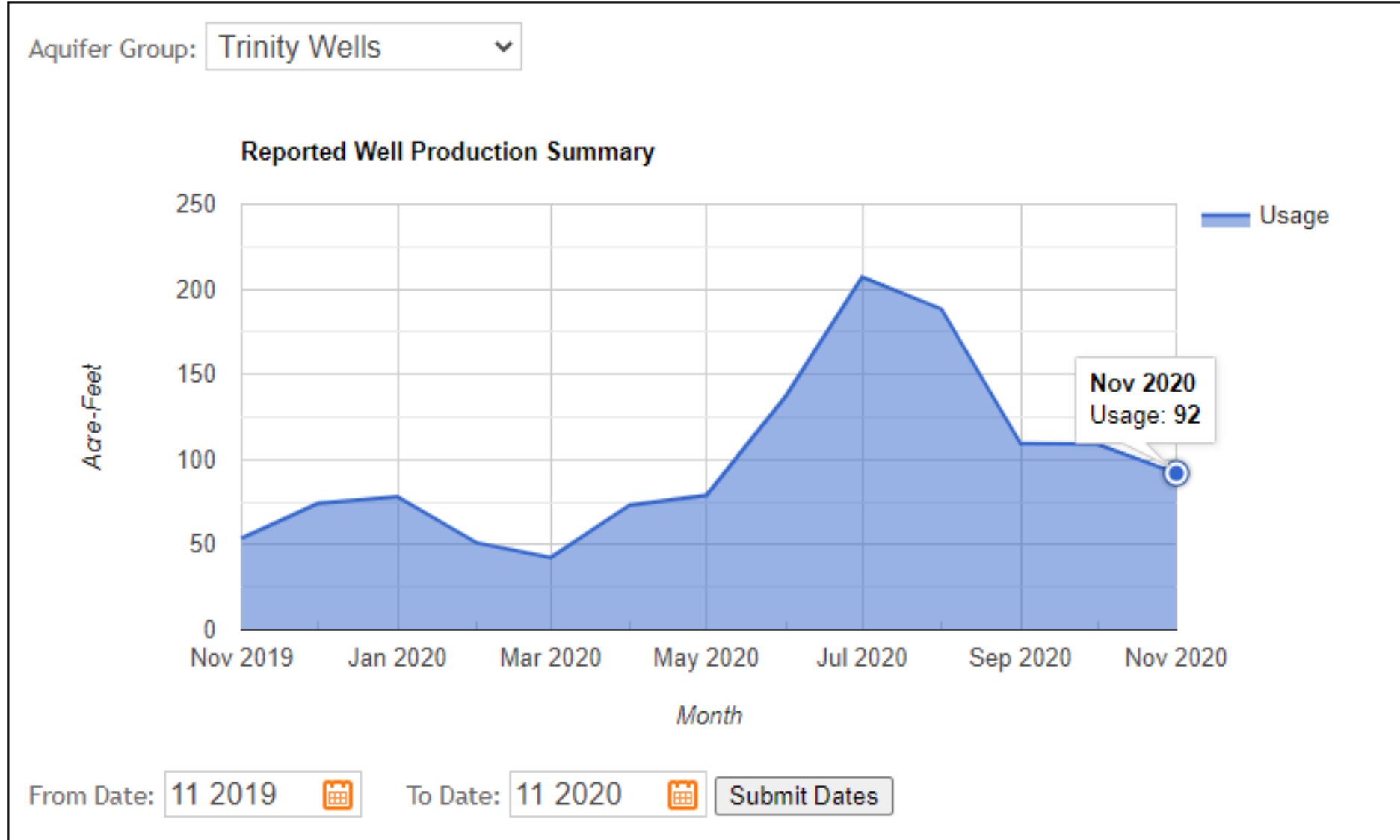
*Desired Future Conditions (DFC) is the description of how the aquifer should look in the future (60 years).

**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 in the Hosston Layer (Lower)

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)

Trinity Aquifer Status Report – December 2020



Non-Exempt Wells--Other

Acre-Feet

2020 Monthly Production (gallons)

File No.	State #	Name	Acre-Feet			2020 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	2,313,545	0	1,466,332	1,401,162	2,411,300	3,160,759	4,105,728	3,649,536	2,248,375	3,160,759	3,443,886	0	27,361,382	83.97	52.48%
N2-11-001G		Bradley B. Ware				1,401,161	0	1,042,725	1,042,725	1,694,427	2,215,790	2,085,449	2,378,715	1,661,842	2,215,790	3,085,449	0	18,824,073	57.77	36.11%
N2-11-002G		Bradley B. Ware				912,384	0	423,607	358,437	716,873	944,969	2,020,279	1,270,821	586,533	944,969	358,437	0	8,537,309	26.20	16.38%
Not Aggregated																				
N2-07-014P		Barking Oaks		0.62	0.62	6,084	5,960	5,680	5,460	6,180	6,280	6,850	6,250	6,220	6,200	5,880	0	67,044	0.21	33.87%
N2-07-013G		D.R. Dorsey Properties		2.47	2.47	20	8	54	114	275	0	15	30	80	0	18	0	614	0.00	0.00%
N2-10-007P		Goode Towing		0.05	0.05	2,613	0	0	0	0	1,827	0	0	0	0	0	0	4,440	0.01	20.00%
N2-08-005G		Lone Star Paving		1.07	1.07	1,780	1,360	1,730	910	2,850	956	533	413	184	100	114	0	10,930	0.03	2.80%
N2-14-001G		Mikeska		100.00	100.00	0	0	0	0	0	0	6,517,029	0	0	0	0	0	6,517,029	20.00	20.00%
N2-06-007G		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	0	163,250	0.50	7.75%
N1-11-001P		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	0	165,000	0.51	92.73%
N1-04-001P		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	0	167,277	0.51	91.07%
N2-16-001P		Strike 3 Bail Bonds		0.12	0.12	480	450	470	390	360	460	420	460	420	340	380	0	4,630	0.01	8.33%
N2-08-007G		Trio Investments		0.18	0.18	400	200	200	200	300	600	300	400	1,200	400	300	0	4,500	0.01	5.56%
N1-16-007P		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	0	235,290	0.72	91.14%
		Strasburger Farms	271.80	33.84	305.64	0	0	0	0	0	43,398,000	25,746,000	8,685,000	0	0	0	0	77,829,000	238.85	78.15%
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	10,944,000	20,976,000	5,985,000	0	0	0	0	37,905,000	116.33	38.06%
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	22,086,000	0	0	0	0	0	0	22,086,000	67.78	22.18%
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	10,368,000	4,770,000	2,700,000	0	0	0	0	17,838,000	54.74	17.91%
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	2,393,569	76,575	1,543,563	1,475,333	2,484,862	46,634,979	36,442,972	12,407,886	2,322,576	3,231,196	3,516,875	0	112,530,386	345.33	58.68%