

Edwards (BFZ) Aquifer Status Report – November 2021

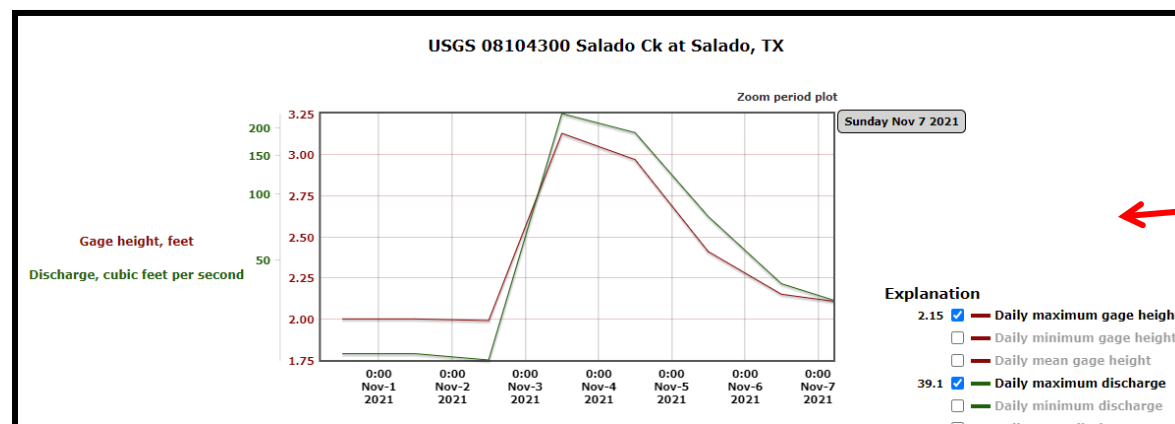
<u>DFC Analysis Over Time</u> (2000-Present) <i>Modeled Available Groundwater</i>				<u>HEUP and OP Permit Analysis</u> <i>Relative to the Modeled Available Groundwater</i>			<u>2021 YTD Prod.</u> Jan - Oct 1497.73 Ac-ft 59.51%	<u>Pending Applications</u>		<u>Exempt Well Reservations</u>		
	DFC Adopted * 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	6789.43 Ac-ft 11/7/2021 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)

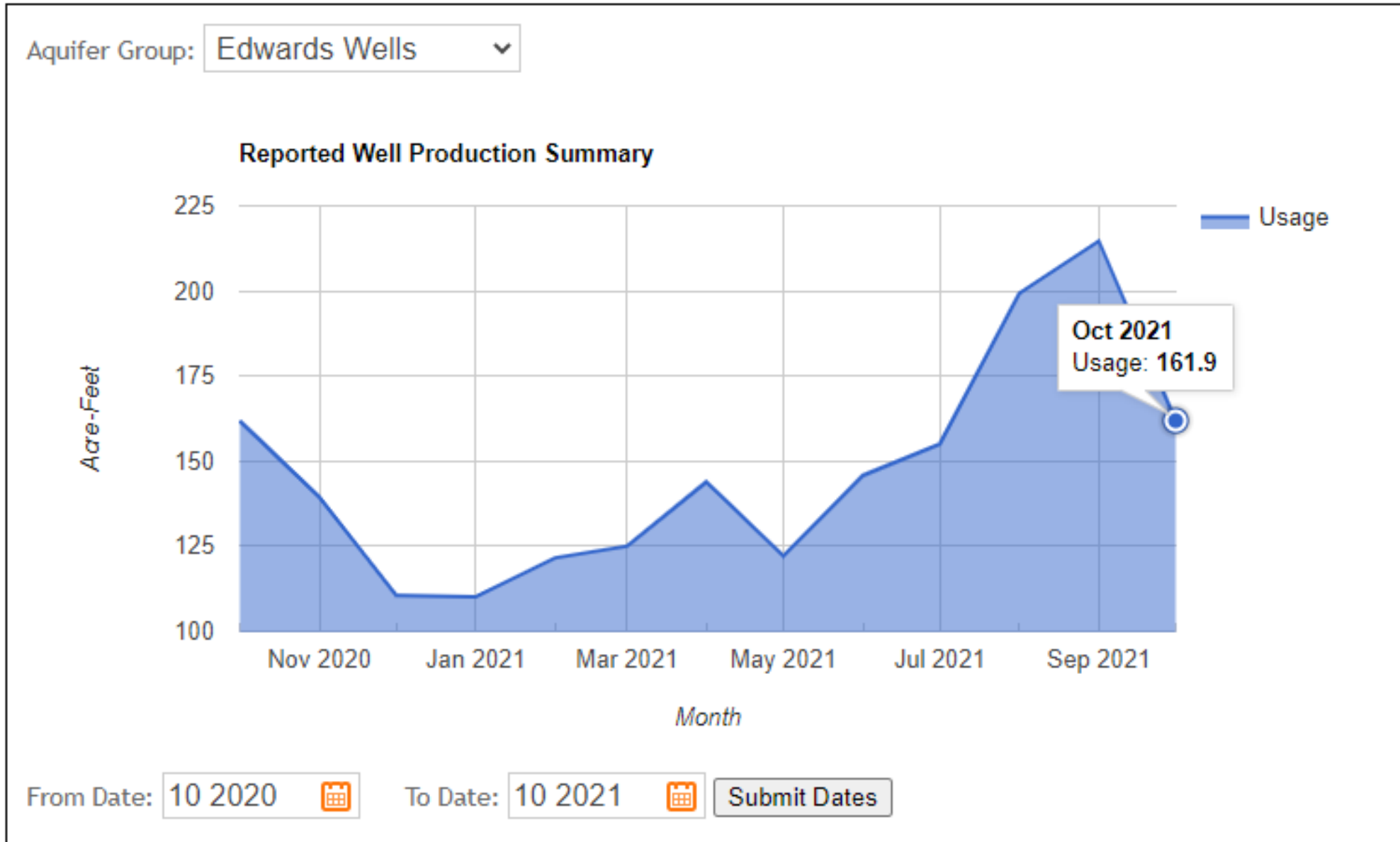


CFS is measured continuously at the downstream gage with USGS developing the rating curve according to industry standards and maintaining the information for public access on the USGS website.

5 - day average for November 2nd – November 6th was 114.1 CFS = 6789.43 ac-ft/month

5 - day average for September 29th – October 3rd was 38.98 CFS = 2319.47 ac-ft/month

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Trinity Aquifer Status Report – November 2021

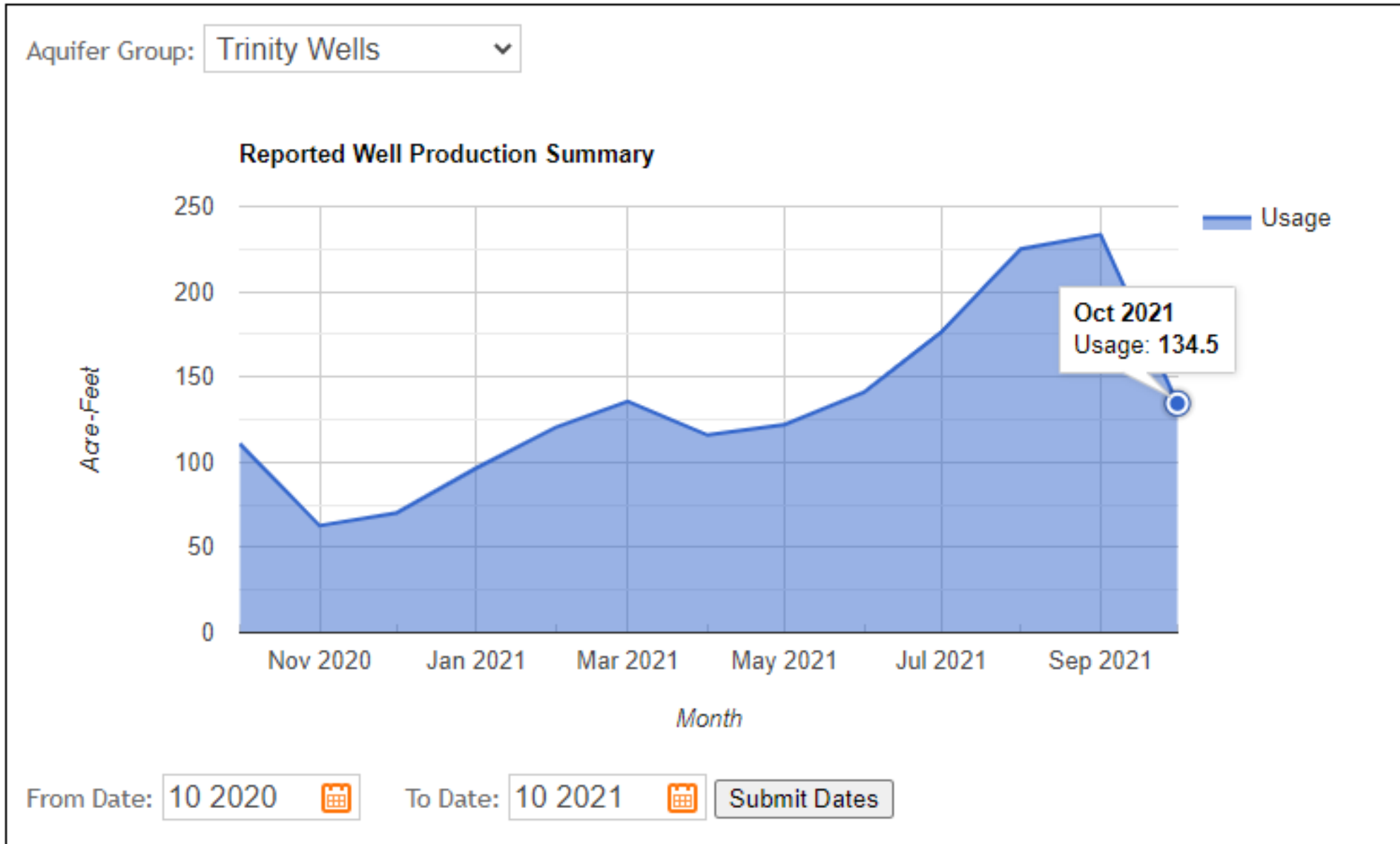
<u>DFC Analysis Over Time</u> (2000-Present) <i>Modeled Available Groundwater</i>			<u>HEUP and OP Permit Analysis</u> <i>Relative to the Modeled Available Groundwater</i>			<u>2021 YTD</u> <u>Total Prod.</u> <i>Jan - Oct</i> 1500.62 Ac-ft 31.56%		<u>Pending Applications</u>		<u>Exempt Well Reservations</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	17.20	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	57.46	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	1425.98	2864.22	0	178	53	125
Total		9266	1502.6	3251.91	4754.51	1239.50 (27.45%)	1500.62 (31.56%)	3092.49	0	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

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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	3,160,758	814,628	1,727,012	2,574,225	3,030,417	2,313,544	1,759,597	0	0	20,756,729	63.70	39.81%
N2-11-001G		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	0	0	14,630,725	44.90	28.06%
N2-11-002G		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	0	0	6,126,004	18.80	11.75%
Not Aggregated																				
N2-07-014P		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	0	0	57,348	0.18	29.03%
N2-07-013G		D.R. Dorsey Properties		2.47	2.47	125	0	350	175	21	45	25	45	45	44	0	0	875	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%
N1-21-001P		Kelly Carter		0.87	0.87	0	0	0	0	0	23,664	23,664	23,664	23,664	23,664	0	0	118,320	0.36	41.38%
N2-08-005G		Lone Star Paving		1.07	1.07	52	86	3,085	4,056	5,034	1,073	257	224	95	40	0	0	14,002	0.04	3.74%
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	15,500	12,000	14,500	14,500	14,200	14,500	11,800	0	0	148,550	0.46	7.13%
N2-20-006G	4061711	Reddylee LLC		9.97	9.97	0	0	0	22,670	3,710	42,110	24,480	58,070	111,280	73,470	0	0	335,790	1.03	10.33%
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	0	0	150,000	0.46	83.64%
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	0	0	152,070	0.47	83.93%
N2-16-001P		Strike 3 Bail Bonds		0.12	0.12	360	240	320	320	300	310	410	420	460	415	0	0	3,555	0.01	8.33%
N2-08-007G		Trio Investments		0.18	0.18	600	600	400	200	100	200	100	100	200	100	0	0	2,600	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	0	0	213,900	0.66	83.54%
		Strasburger Farms	271.80	33.84	305.64	0	0	0	0	0	7,710,000	0	5,832,000	6,426,000	0	0	0	19,968,000	61.28	20.05%
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	3,120,000	0	0	0	0	0	0	3,120,000	9.57	3.13%
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	3,294,000	0	5,832,000	6,426,000	0	0	0	15,552,000	47.73	15.62%
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	1,296,000	0	0	0	0	0	0	1,296,000	3.98	1.30%
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	317.54	589.34	2,063,348	1,378,608	2,164,161	3,261,256	892,620	9,576,191	2,695,148	9,016,955	8,947,245	1,926,207	0	0	41,921,739	128.66	21.83%