

Edwards (BFZ) Aquifer Status Report – February 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> Jan 95.32 Ac-ft 3.88%	<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	1623.27 Ac-ft 2/14/2023 vs 220 Ac-ft 08/20/2014	6469	2139.20	319.73	2459.08	1995.86 Ac-ft 81.16%	3184.92	521.92	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.

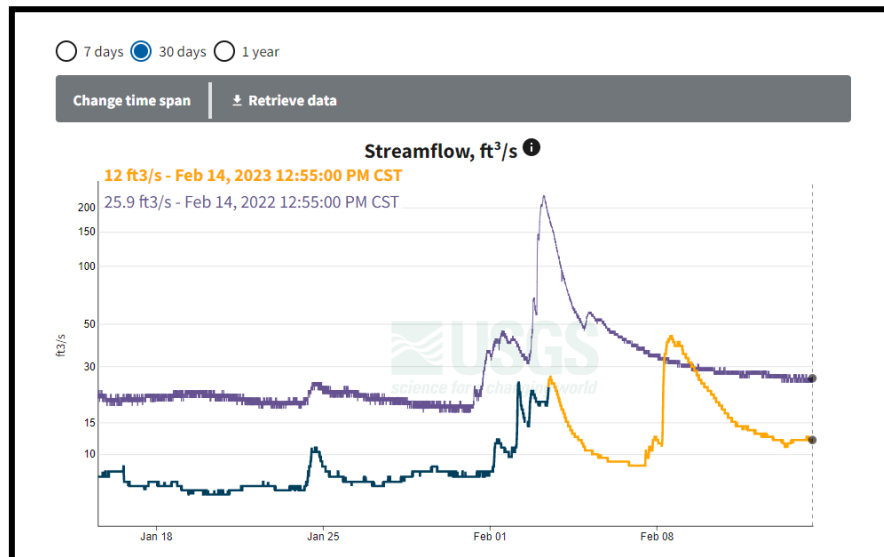
**Status of the DFC is the estimated spring flow over a five-day average from the springs releasing artesian pressure from the Edwards BFZ Aquifer expressed as acre feet per month of spring flow into Salado Creek.

***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)

Aria Prairie N2-22-001P + 7 wells (2.72 ac-ft/yr)

Salado Sanctuary N3-22-001P (19.2 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 10th – February 14th was 27.28 CFS = 1623.27 ac-ft/month

5 - day average for December 29th – January 3rd was 8.91 CFS = 530.18 ac-ft/month

Non-exempt Wells--Edwards BFZ

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		
		Chick Landscaping	0	2.29	2.29	2,400											2,400	0.01	0%
N2-06-002G	5804324	Chick Landscaping Well #2				2,400											2,400	0.01	0%
		Jarrell-Schwertner WSC	301.20	153.00	454.20	4,651,765											4,651,765	14.28	3%
N2-02-041G	5804808	JSWSC (Prairie Dell 2)				1,772,296											1,772,296	5.44	2%
N2-02-042G	5804811	JSWSC (Prairie Dell 5)				2,422,269											2,422,269	7.43	2%
N2-03-005P	5804818	JSWSC (Prairie Dell 8)				457,200											457,200	1.40	0%
		Salado WSC	1,472.30	36.99	1,509.29	18,774,000											18,774,000	57.62	4%
N2-02-003G	5804602	Salado WSC (#1)				4,014,000											4,014,000	12.32	1%
N2-02-004G	5804604	Salado WSC (#2)				0											0	0	0%
N2-02-005G	5804508	Salado WSC (#3)				2,625,000											2,625,000	8.06	1%
N2-02-006G	5804621	Salado WSC (#4)				1,760,000											1,760,000	5.40	0%
N2-02-007G	5804509	Salado WSC (#5)				1,332,000											1,332,000	4.09	0%
N2-02-008G	5804510	Salado WSC (#6)				1,411,000											1,411,000	4.33	0%
N2-02-009G	5804626	Salado WSC (#7)				1,802,000											1,802,000	5.53	0%
N2-02-010G	5804512	7KX Ranch (#8)				2,000											2,000	0.01	0%
N2-02-011G	5804513	7KX Ranch (#9)				5,828,000											5,828,000	17.89	1%
		Schwertner Farms	328.90	74.05	402.95	7,284,423											7,284,423	22.35	6%
N2-04-001G	5812302	Schwertner Farms CCL #1				1,660,768											1,660,768	5.10	1%
N2-04-002G	5812303	Schwertner Farms CCL #2				1,660,768											1,660,768	5.10	1%
N2-04-003G	5812304	Schwertner Farms CCL #3				1,660,768											1,660,768	5.10	1%
N2-04-004G	5812206	Schwertner Farms Eastland W.				274,040											274,040	0.84	0%
N2-04-005G	5812305	Schwertner Farms Blackwell				240,125											240,125	0.74	0%
N2-04-006G	5812306	Schwertner Farms ES #1				109,170											109,170	0.34	0%
N2-04-007G	5812307	Schwertner Farms ES #2				738,446											738,446	2.27	1%
N2-04-008G	5812308	Schwertner Farms ES #3				606,390											606,390	1.86	0%
N2-10-006P	5812604	Schwertner Farms Little D.				333,948											333,948	1.02	0%
		Stagecoach Inn	35.30	7.02	42.32	68,000											68,000	0.21	0%
N2-02-002G	5804623	Stagecoach (deep)				68,000											68,000	0.21	0%
N2-02-037G		Stagecoach (spring)				0											0	0	0%

Non-exempt Wells--Edwards BFZ

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				
		Not Aggregated																	0%		
N1-07-001P	4061802	James Schnitker	0	1.84	1.84	50,000													50,000	0.15	8%
N1-07-003P	5805405	Ronald Gravette	0	0.38	0.38	10,333													10,333	0.03	8%
N1-07-005P	5804817	Patricia Suarez	0	0.38	0.38	10,333													10,333	0.03	8%
N1-09-004P	5804322	Domingo Perez	0	0.53	0.53	14,416													14,416	0.04	8%
N1-10-001P	4061713	Kenneth Stone	0	0.57	0.57	15,445													15,445	0.05	8%
N1-13-002P	4061714	Janet Stone	0	0.34	0.34	9,233													9,233	0.03	8%
N1-14-001P	5805406	Karen Duerr	0	0.27	0.27	7,331													7,331	0.02	8%
N1-18-002P	5812203	Windy Meadows	0	0.47	0.47	12,762													12,762	0.04	8%
N1-20-001P	4061710	Dillman Trust	0	0.59	0.59	16,060													16,060	0.05	8%
N1-20-002P	4060913	Donald & Sheryl Rich	0	0.39	0.39	10,706													10,706	0.03	8%
N2-03-004G	5804627	Salado ISD (MS)	1.50	0	1.50	9,720													9,720	0.03	2%
N2-04-017G	5804643	Sonic of Salado	0	0.86	0.86	1,790													1,790	0.01	1%
N2-07-005G	5803808	RLF Salado Quarries (Office)	0	3.91	3.91																0%
N2-07-010G	5804637	Bloomer Mfg.	0	2.07	2.07	1													1	0	0%
N2-08-004P	5804644	Lonnie Sherman	0	1.10	1.10	180													180	0.00	0%
N2-09-002P	5804645	O. W. Lowery	0	1.84	1.84	66,420													66,420	0.20	11%
N2-09-004G	5804646	Salado UMC	0	1.86	1.86	0													0	0	0%
N2-11-004P	5804631	Charles Broecker	0	0.99	0.99																0%
N2-11-005P	5805108	James & Terry Boston	0	1.66	1.66	11													11	0	0%
N2-15-003P	5804325	Anthony Craft	0	0.60	0.60	1,125													1,125	0.00	1%
N2-15-004P	5804633	Scott Law Well #1, Guthrie	0	0.60	0.60																0%
N2-15-005P	5804634	Scott Law Well #2, Guthrie	0	0.60	0.60	7,460													7,460	0.02	4%
N2-15-006P		Scott Law Well #3	0	0.60	0.60																0%
N2-15-007P		Scott Law Well #4	0	0.60	0.60																0%
N2-15-008P		Scott Law Well #5	0	0.60	0.60																0%
N2-15-009P	5805110	Scott Law Well #6 - Reed	0	0.60	0.60																0%
N2-15-010P	5805109	Scott Law Well #7 - Brady Woods	0	0.75	0.75																0%
N2-15-011P		Scott Law Well #8	0	0.60	0.60																0%
N2-15-012P	5804316	Scott Law Well #9 - Jana Lever	0	0.60	0.60																0%
N2-16-002G	5804647	Charles Dunifer	0	0.60	0.60	100													100	0.00	0%
N2-17-001P	5804305	Heart of Texas Feed	0	0.14	0.14	740													740	0.00	2%
N2-19-007P	5804640	Brazos Valley Equine Hospital	0	1.32	1.32	26,500													26,500	0.08	6%
N2-20-001G	5804319	SDG Properties	0	0.67	0.67																0%
N2-20-006G	4061711	Reddylee LLC	0	9.97	9.97	3,788													3,788	0.01	0%
N2-21-002G	5804320	R&A Hauling	0	2.15	2.15																0%
N2-21-006P	5804321	Salado RV Park	0	2.98	2.98	15,900													15,900	0.05	2%
N2-21-007P		Belton Partners LLC	0	2.50	2.50																0%
Totals:			2,139.20	319.88	2,459.08	31,070,942													31,070,942	95.35	4%

Trinity Aquifer Status Report – February 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> Jan 2.18%		<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	1.32	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	1.59	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	106.03	2624.39	0	178	59	119
Total		9266	1502.6	3489.71	4992.31	1933.56 (40.77%)	108.94 (2.18%)	2854.69	23.00	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)

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												3,580	0.01	0%
N2-02-024G	5805202	Armstrong WSC #1				3,580												3,580	0.01	0%
N2-10-001P	5805502	Armstrong WSC #2				0												0	0	0%
		Bell Milam Falls WSC	262.20	0	262.20	3,480,500												3,480,500	10.68	4%
N2-02-038G	5806601	Bell-Milam-Falls WSC (Rogers)				577,500												577,500	1.77	1%
N2-02-046G	5814402	Bell-Milam-Falls WSC (Bartlett)				2,903,000												2,903,000	8.91	3%
		Central Texas WSC	0	1,776.00	1,776.00	8,950,000												8,950,000	27.47	2%
N2-14-004P	5804203	CTWSC Doc Curb				0												0	0	0%
N2-14-005P	5806202	CTWSC System Split Well				8,950,000												8,950,000	27.47	2%
		City of Troy	119.90	350.60	470.50															0%
N2-02-036G	4054503	City of Troy #1																		0%
N2-15-002P	4054201	City of Troy #2																		0%
		East Bell WSC	69.70	114.85	184.55	461,080												461,080	1.42	1%
N2-02-034G	4063501	East Bell WSC #1				266,000												266,000	0.82	1%
N2-04-010P	5806301	East Bell WSC #2				195,080												195,080	0.60	0%
		Leon River Turkey Farms	60.90	0	60.90	15,000												15,000	0.05	0%
N2-02-043G	4053301	Leon River Turkey (East)				6,800												6,800	0.02	0%
N2-02-044G	4053302	Leon River Turkey (West)				1,100												1,100	0.00	0%
N2-02-045G	5805403	Leon River Turkey				7,100												7,100	0.02	0%
		Lhoist	40.00	0	40.00	20,786												20,786	0.06	0%
N2-03-002G	4060101	LHoist #1				20,786												20,786	0.06	0%
N2-03-003G	4060102	LHoist #2																		0%
		Moffat WSC	47.70	157.80	205.50	3,645,000												3,645,000	11.19	5%
N2-02-022G	4053406	Moffat WSC #1				1,135,000												1,135,000	3.48	2%
N2-13-001P	4053507	Moffat WSC #2				2,510,000												2,510,000	7.70	4%
		Pendleton WSC	75.30	36.90	112.20	3,308,100												3,308,100	10.15	9%
N2-02-047G	4054401	Pendleton WSC (#1)				1,688,300												1,688,300	5.18	5%
N2-02-048G	4054502	Pendleton WSC (#2)				1,619,800												1,619,800	4.97	4%

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						
		Not Aggregated																		0%			
N1-05-001P	4057907	John Kurzyniec	0	0.67	0.67	18,250														18,250	0.06	8%	
N1-07-002P	4060405	Ingo Smith	0	1.57	1.57	42,766															42,766	0.13	8%
N1-08-001P	4057908	Yong Conway	0	1.59	1.59	43,120															43,120	0.13	8%
N1-09-003P	4053707	Laurie Gehring	0	0.34	0.34	0															0	0	0%
N1-11-002P	5803201	Andrew Robertson	0	0.59	0.59	16,021															16,021	0.05	8%
N1-16-001P	5803505	Richard Ross	0	0.70	0.70	19,008															19,008	0.06	8%
N1-16-004P	4059804	Michael Maples	0	0.39	0.39	10,590															10,590	0.03	8%
N1-16-005P	4059803	David Cole	0	0.39	0.39	10,590															10,590	0.03	8%
N1-16-006P	4057603	Ronald Ham	0	0.53	0.53	14,391															14,391	0.04	8%
N1-17-002P	5802506	Advanced Electrical Systems	0	0.88	0.88	24,000															24,000	0.07	8%
N1-18-001P	5803506	William Lutz	0	0.36	0.36	9,672															9,672	0.03	8%
N1-18-003P	4059302	Myers	0	1.98	1.98	53,765															53,765	0.17	8%
N1-18-004P	5803404	Justin Scott	0	0.22	0.22	6,083															6,083	0.02	8%
N1-19-003P	5802505	Gary Kelley	0	0.20	0.20	5,353															5,353	0.02	8%
N1-19-007P	4057906	Cristy & Larry Bickel	0	0.60	0.60	16,292															16,292	0.05	8%
N1-19-008P		Cristy & Larry Bickel	0	0.60	0.60																		0%
N2-02-001G	5806102	Bell Co. WCID #2	184.20	21.60	205.80	4,809,000															4,809,000	14.76	7%
N2-02-012G	5807701	City of Rogers	139.40	0	139.40																		0%
N2-02-013G	5805901	City of Holland	158.40	0	158.40																		0%
N2-02-017G	4055701	Oenaville / Belfalls WSC	16.20	20.79	36.99	122,370															122,370	0.38	1%
N2-02-035G	5804642	Mill Creek Country Club, LLC	61.90	60.00	121.90	0															0	0	0%
N2-02-039G	4054801	Little Elm Valley WSC	91.20	0	91.20	2,094,800															2,094,800	6.43	7%
N2-02-040G	4062801	Bell Co. WCID #5	20.70	8.00	28.70	350,500															350,500	1.08	4%
N2-03-001G	4062401	Cen. TX Vet. Hospital	0	60.00	60.00	0															0	0	0%
N2-04-011P	4061407	BellTec	0	1.30	1.30																		0%
N2-05-003P	40589	Texas Veterans Land Board	0	36.80	36.80																		0%
N2-05-004P	5804323	Salado B.P. / Ronnie Tynes	0	11.05	11.05																		0%
N2-06-008P	4053709	VillasDelSol / John Henderson	0	3.13	3.13																		0%
N2-07-003G	5803503	Killeen Crushed Stone	0	36.00	36.00	0															0	0	0%
N2-07-006G	5802101	Maxdale Cowboy Church	0	0.16	0.16																		0%
N2-07-007G	5803303	Garden of Hope of Central Texas	0	0.01	0.01	270															270	0.00	8%
N2-07-008G	5803809	Apache Stone	0	22.66	22.66	128,684															128,684	0.39	2%
N2-07-009G	4058701	Parrie Haynes Ranch	0	13.80	13.80	74,460															74,460	0.23	2%
N2-07-011G	5804624	Stagecoach (Spa)	0	0.05	0.05	0															0	0	0%
N2-07-012G	4053710	Temple Park Estates	0	9.50	9.50	343,000															343,000	1.05	11%
N2-08-001P	5803912	5 Womans Materials	0	16.03	16.03	123,890															123,890	0.38	2%
N2-08-002P	5804314	Salado ISD (HS)	0	21.41	21.41	31,100															31,100	0.10	0%
N2-08-003G	4059601	City of Harker Heights	0	1.16	1.16	0															0	0	0%
N2-09-001P	4053508	Kimberly Langston	0	12.32	12.32	232															232	0.00	0%
N2-09-005G	5803707	R S Materials Group	0	16.67	16.67																		0%
N2-11-003G	4061408	UMHB	0	7.50	7.50	45															45	0.00	0%
N2-13-002P	5806201	Trinity Oasis LLC (Jack Hilliard Dozer and Materials)	0	279.00	279.00	7,070,500															7,070,500	21.70	8%
N2-19-001P	5804705	CenTex Acres 1 (Winterowd)	0	0.61	0.61	527															527	0.00	0%
N2-19-002P	5804706	CenTex Acres 2 (Penney)	0	0.61	0.61	4,350															4,350	0.01	2%
N2-19-003P	4053708	Eveans	0	0.50	0.50																		0%
N2-20-002P	5803406	Hines Texas, LLC #1	0	4.14	4.14	45,983															45,983	0.14	3%
N2-20-003P	5803407	Hines Texas, LLC #2	0	4.14	4.14	0															0	0	0%
N2-20-004P	5803408	Hines Texas, LLC #3	0	4.14	4.14	135,313															135,313	0.42	10%
N2-21-001P		Victory Rock LLC	0	30.00	30.00																		0%
N2-21-003P		David & Denea Reaves	0	0.54	0.54																		0%
N2-21-004P	5803409	Hines Texas, LLC #4	0	4.14	4.14	17,050															17,050	0.05	1%
N2-21-005P	5802601	Nathan & Danielle McNeal	0	0.40	0.40																		0%
N2-22-002P		Scott Gillman	0	0.39	0.39	32															32	0.00	0%
Totals:			1,502.60	3,489.71	4,992.31	35,526,053															35,526,053	109.03	2%

Non-exempt Wells--Other

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				
		Bradley Ware	0	160.00	160.00	1,531,501													1,531,501	4.70	3%
N2-11-001G	5802106	Bradley B. Ware				1,173,065													1,173,065	3.60	2%
N2-11-002G	5802107	Bradley B. Ware				358,436													358,436	1.10	1%
		Strasburger Farms	271.80	33.84	305.64	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%
N2-02-028G		DO NOT USE-Strasburger Farms (#5)																			0%
N2-02-029G	5806802	Strasburger Farms (#6)				0													0	0	0%
N2-02-030G	5806901	Strasburger Farms (#10)				0													0	0	0%
N2-02-031G	5806902	Strasburger Farms (#11)				0													0	0	0%
N2-02-032G	5806803	Strasburger Farms (#15)				0													0	0	0%
N2-02-033G	5806804	Strasburger Farms (#16)				0													0	0	0%
N2-12-002P	5806805	Strasburger Farms (#5)				0													0	0	0%
N2-18-001P	5806501	Strasburger Farms (#2)				0													0	0	0%
		Not Aggregated																			0%
N1-04-001P	5806701	Stephen Spinn	0	0.56	0.56	15,207													15,207	0.05	8%
N1-11-001P	4060603	Roy Rodriquez	0	0.55	0.55	15,000													15,000	0.05	8%
N1-16-007P	5805903	Wells Fargo Bank	0	0.79	0.79	21,390													21,390	0.07	8%
N1-21-001P	5814101	Kelly Carter	0	0.87	0.87	23,664													23,664	0.07	8%
N2-06-007G	4061903	Misty Creek HOA	0	6.45	6.45	17,050													17,050	0.05	1%
N2-07-013G	5806104	D.R. Dorsey Properties	0	2.47	2.47																0%
N2-07-014P	4061607	Barking Oaks	0	0.62	0.62	5,690													5,690	0.02	3%
N2-08-005G	4061511	Lone Star Paving	0	1.07	1.07	63													63	0.00	0%
N2-08-007G	4061512	Trio Investments	0	0.18	0.18	100													100	0.00	0%
N2-10-007P	4061715	Goode Towing	0	0.05	0.05	0													0	0	0%
N2-14-001G	5806806	Mikeska	0	100.00	100.00	0													0	0	0%
N2-16-001P	4061410	Strike 3 Bail Bonds	0	0.12	0.12	390													390	0.00	1%
Totals:			271.80	307.57	579.37	1,630,055													1,630,055	5.00	1%