

- Well # 7 has been drilled and awaiting finished construction which will increase capacity around another 350 GPM, or up to 500,000 gallons per day if ran 24 hours.
- Test samples, Parameter 13 testing have been done on area domestic wells in the study areas identified by Olsson Engineering with more planned to be drawn from pivot irrigation wells later this summer to acquire additional water quality data within the region around Waverly.
- Test wells identified by the Olsson studies have been proposed to be funded in the 24/25 budget year and once the
 data from those test wells are completed, then moving forward with addition capacity of production wells can be
 decided on where, how many, budgeting, engineering, land and ROW access, and construction of additional wells or
 wellfields can take place.
- The 2023 drought was in comparison to the 1936 drought and is not typical climatological for this region. Waverly was not the only city to see static levels drop in 2023 as region wide static levels dropped as was not unique only to Waverly.
- Currently we are 6.78 inches above in precipitation compared to the same time last year
- Jan July 2023 = 14.48 inches Jan July 2024 = 21.26 inches

Water use

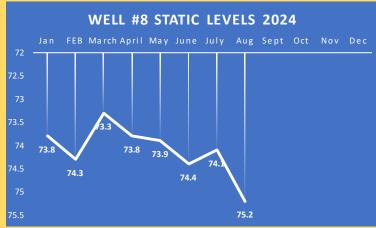
All wells monthly	total	12,849,314	11,939,898	13,268,481	18,093,805	30,387,370	34,230,812 2	20,758,649
	2023	January	February	March	April	May	June	July
Daily average)	414,494	426,425	428,016	603,127	980,238	1,141,027	669,634
All wells monthly total	′ 1	2,952,242	12,542,549	13,994,744	17,522,752	17,958,629	20,386,191	24,316,242
	2024	January	February	March	April	May	June	July
Daily average		417,814	432,502	451,443	584,092	579,311	679,540	784,395

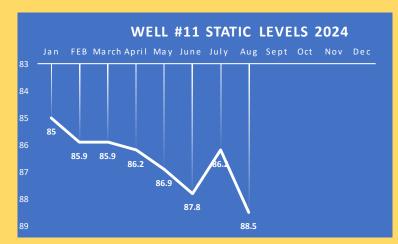
2024 we have used 21.8 million gallons less than the same time of 2023.

Note: Irrigation pivots surrounding Waverly started running in July and continue to run, drawing water from the same aquifer as our wells. Along with irrigation pivots running throughout the state and regional area.

									as of July 2	as of Aug 11				
Pumpir	ng Levels distance	from shutoff	points (b	vased on t	the lowes	t level it	reached d	uring the	: month)	<u> </u>		<u> </u>		
	Well	Speed	Jan	FEB	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
	4	100%	4.7	5.9	6.8	7.2	5.5	5.5	11	5.7				
	5	94%	1.1	1.5	3	3	3	3.2	6.2	2.4				
	6	83%	0.8	12.7	10	9.4	9.1	9.4	10.3	9.1				
	8	100%	9.2	9.2	9.1	8.8	6.3	8.2	6.8	5				
	9	85%	4.1	6.5	7.1	7.1	11.4	14.9	16	14.2				
	10	100%	19.7	18.3	18.1	18.2	19.8	17.4	20.1	18.3				
	11	85%	22.2	11.5	11.5	11.3	11.4	10.7	11.6	9.9				
	Precip. Inches	21.26	0.95	0.51	1.09	3.42	4.78	3.28	7.23					
									as of July 2	as of Aug 11				
Static L	Levels- Water dista	ance from gro	und level	ι (based ι	on the lov	vest leve	it reache		-					
	Well		Jan	FEB	March	April	May	June July Aug Sept			Sept	Oct	Nov	Dec
	4		22.4	22.8	20.9	20.9	19.8	19	14	20.1				
	5		21	20.9	21	21.2	19.4	19.6	15.4	19.8				
	6		80	79.9	79.7	81.1	81.2	81.8	81.1	82.5				
	8		73.8	74.3	73.3	73.8	73.9	74.4	74.1	75.2				
	9		104.8	104.7	102	102	102.8	103.7	102.9	105				
	10		85	85.9	85.9	86.2	86.9	87.8	86.2	88.5				
	11		98	101.5	98.1	99.3	99.1	99.6	98.9	101				
	Precip. Inches	21.26	0.95	0.51	1.09	3.42	4.78	3.28	7.23					







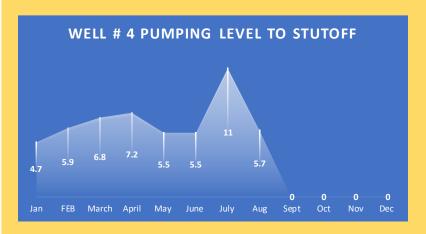




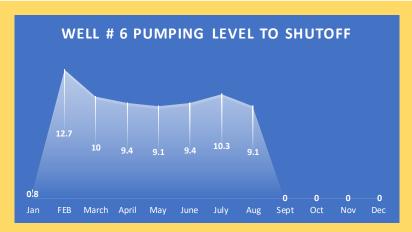




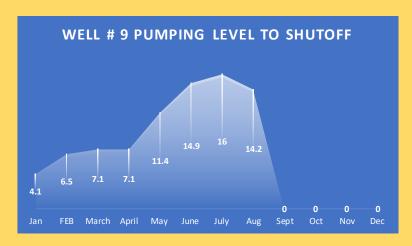


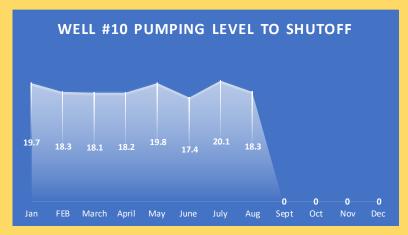


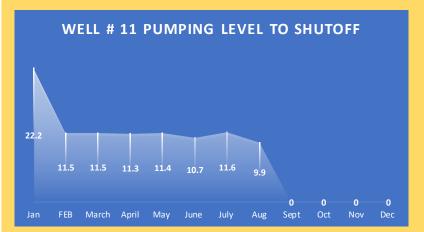


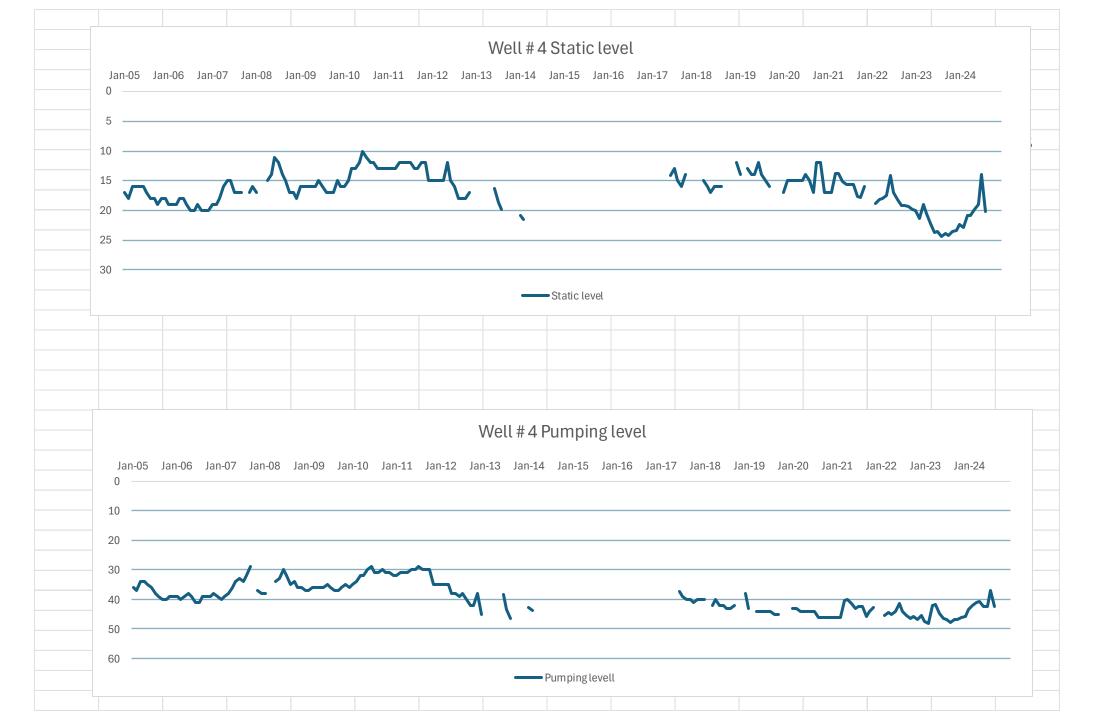






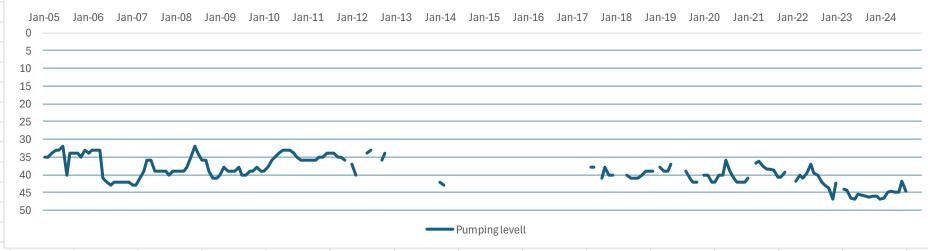


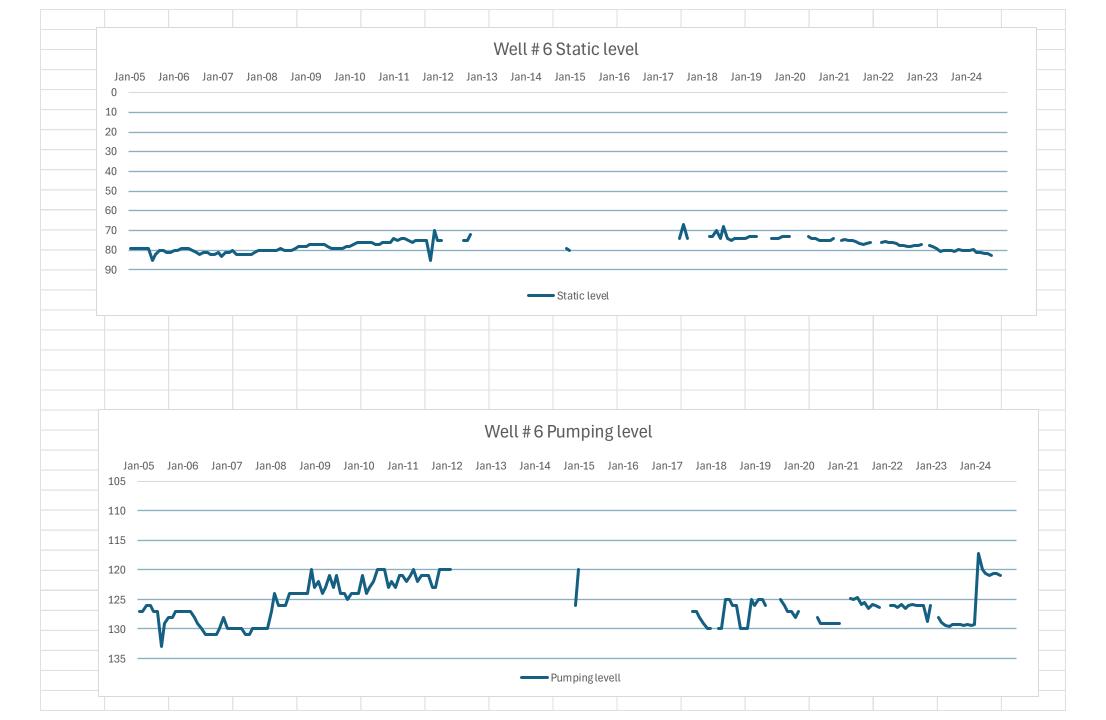




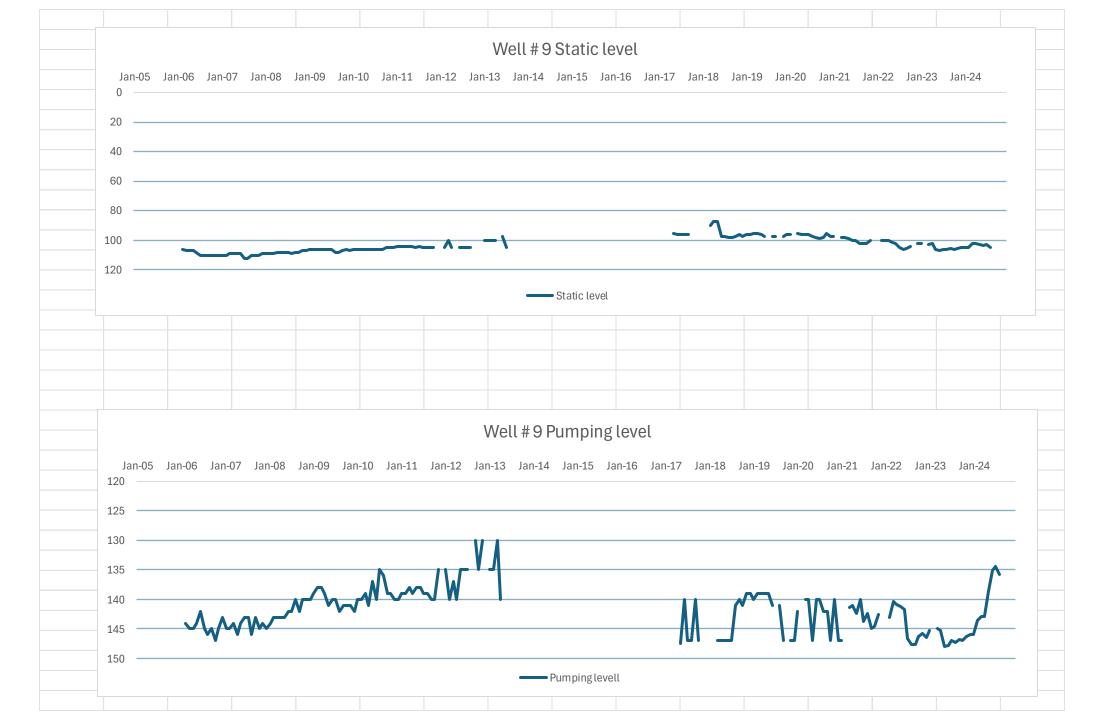


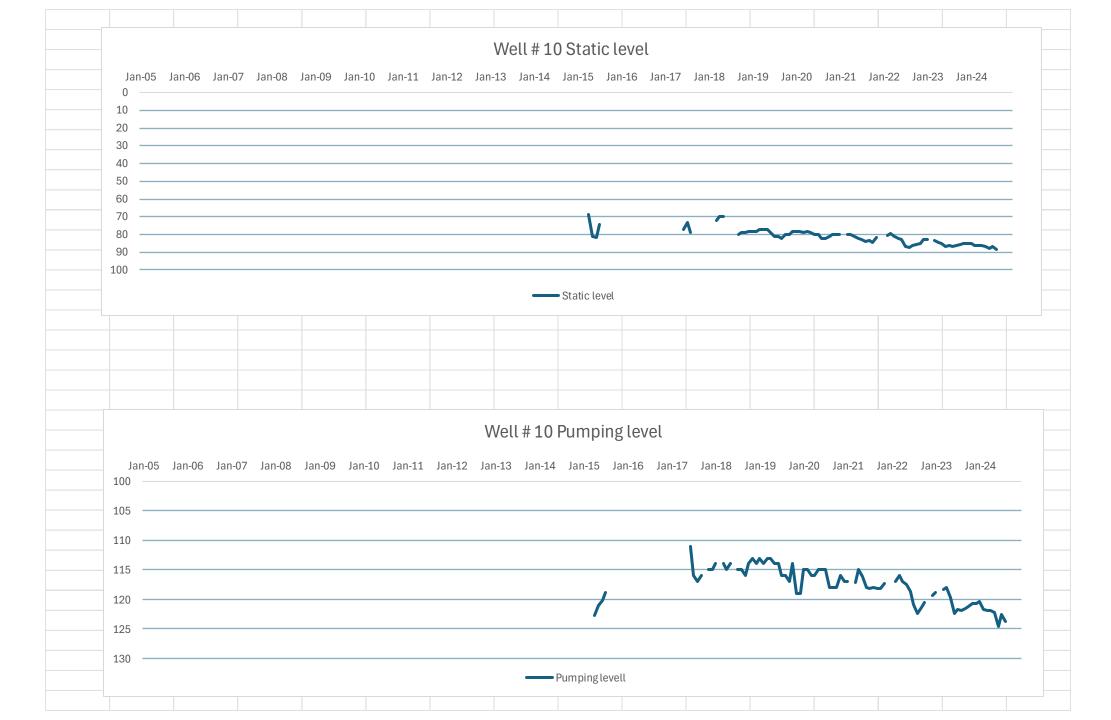


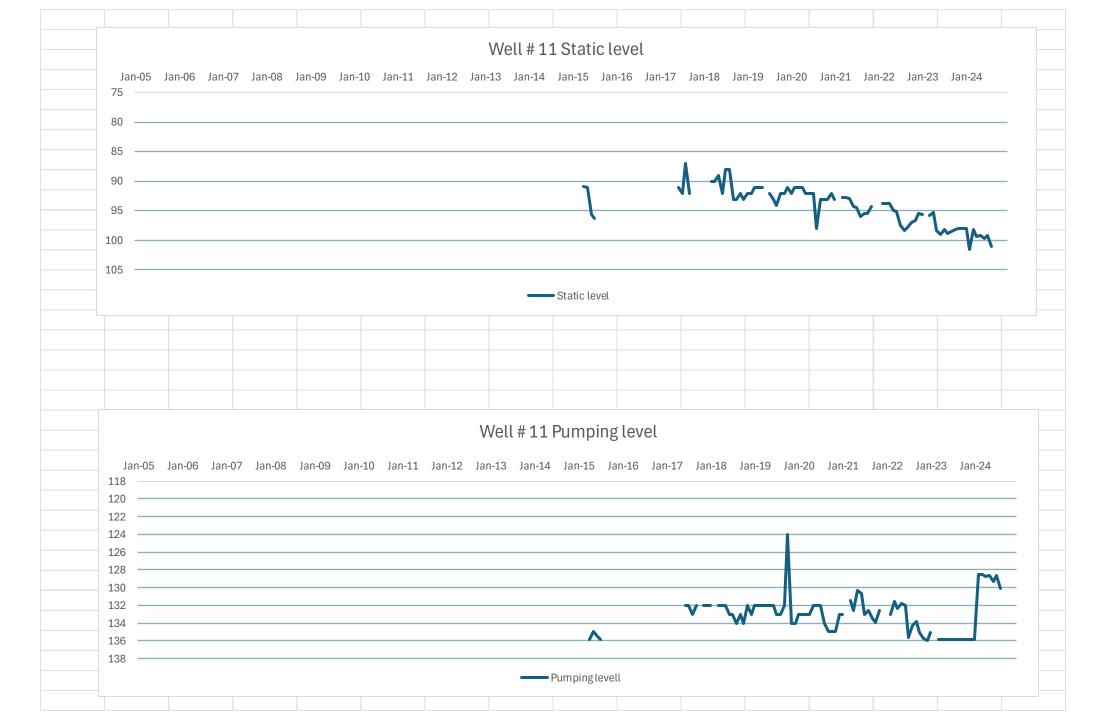












WELL VOLUME O	F WATER AVAILABLE IN	GALLONS		_				
$V = \pi r^2 h *Sy$	Colby Osborn formu	ula from Olesons						
Where:	Cotby Osborn formit	ita iioiii Otssoiis						
	me of the cylinder, ad	justed for specific yield						
	mathematical consta							
	radius of the cylinder							
	e height of the cylind	er.						
	ecific yield							
V = 3.14159 * (264								
/ = 98530398.7 ft°	or 737,058,567 gallons .							
	Well #4			Well #5			Well	÷6
27.9	feet of water from st	atic to maximum pumping level	27.2	feet of water from static to	maximum pumping level	47.5	feet of water from	n static to maximum pumping lev
Radius	from well in feet	Gallons available	Radius fr	om well in feet	Gallons available	Radius fr	om well in feet	Gallons available
50		245,859	50		239,691	50		418,578
100		983,437	100		958,763	100		1,674,310
200		3,933,748	200		3,835,052	200		6,697,242
500		24,585,926	500		23,969,075	500		41,857,760
1000)	98,343,705	1000		95,876,300	1000		167,431,039
2640) 1/2 mile	685,416,287	2640	1/2 mile	668,219,462	2640	1/2 mile	1,166,927,370
	Well #7			Well #8			Well #	19
0		atic to maximum pumping level	62.8	feet of water from static to	maximum pumping level	45		n static to maximum pumping leve
Radius	Radius from well in feet Gallons available		Radius from well in feet		Gallons available	Radius from well in fee		Gallons available
50		0	50		553,404	50		396,547
100		0	100		2,213,615	100		1,586,189
200		0	200		8,854,458	200		6,344,755
500		0	500		55,340,364	500		39,654,720
1000)	0	1000		221,361,458	1000		158,618,879
2640) 1/2 mile	0	2640	1/2 mile	1,542,800,817	2640	1/2 mile	1,105,510,140
				Well # 11				
	Wall # 10							
53 5	Well # 10		39		maximum numning level		Total	Nater available from all wells
53. 5	feet of water from st	atic to maximum pumping level	39 Radius fr	feet of water from static to				Water available from all wells
	feet of water from st from well in feet				maximum pumping level Gallons available 343,674		radi	us
Radius	feet of water from st from well in feet	atic to maximum pumping level Gallons available	Radius fr	feet of water from static to	Gallons available		radi	2,669,203
Radius 50	feet of water from st from well in feet	atic to maximum pumping level Gallons available 471,451	Radius fr 50	feet of water from static to	Gallons available 343,674		radi 50	2,669,203 0 10,676,813
Radius 50 100	feet of water from st from well in feet	atic to maximum pumping level Gallons available 471,451 1,885,802	Radius fr 50 100	feet of water from static to	Gallons available 343,674 1,374,697		radi 50 10	2,669,203 0 10,676,813 0 42,707,252
Radius 50 100 200	feet of water from st	atic to maximum pumping level Gallons available 471,451 1,885,802 7,543,209	8 Radius fr 50 100 200	feet of water from static to	Gallons available 343,674 1,374,697 5,498,788		radi 50 100 200	2,669,203 10,676,813 0 42,707,252 0 266,920,325