

Summary

UWEX Private Well Project

Town of Forestville

2015

9/1/2015

5:43 PM

Total Number Samples: 43

Sample Date: 7/19/2015

Reason for Test	Last Test (yr)	Problems	Treatment Sys	Depth (ft) Well	Casing	Water	Well Diam (in)			
Curious	88 %	Never 9 %	Color 5 %	Softener 79 %	... 25	0 %	0 %	7 %	... 3	0 %
Problems	2 %	< 1 5 %	Taste 7 %	R/O 7 %	26-50	0 %	5 %	7 %	4 - 9	60 %
Regular	9 %	1 - 2 0 %	Odor 7 %	Carb Filt 14 %	51-100	12 %	12 %	7 %	10 - 18	0 %
Required	0 %	2 - 5 9 %	Corr 5 %	Neutral 0 %	101-150	2 %	5 %	0 %	18 +	0 %
Bac Retest	2 %	5 - 10 16 %	Health 2 %	Part Filt 5 %	151-200	12 %	21 %	0 %		
Disinfect	0 %	10 + 33 %	Other 9 %	Iron Filt 19 %	201 ...	33 %	0 %	0 %		
Infant...	0 %	Unk 16 %	None 47 %	Other 5 %						
Other	5 %									

pH

... 5.00	0	0 %
5.01 - 6.00	1	2 %
6.01 - 7.00	0	0 %
7.01 - 8.00	33	77 %
8.01 - 9.00	9	21 %
9.01 ...	0	0 %
Avg: 7.16	for	43 Samples

Conductivity (umhos/cm)

... 100	1	2 %
101 - 250	0	0 %
251 - 500	16	37 %
501 - 750	15	35 %
751 - 1000	8	19 %
1001 ...	3	7 %
Avg: 632	for	43 Samples

Alkalinity (mg/L CaCO3)

... 50	1	2 %
51 - 100	0	0 %
101 - 200	5	12 %
201 - 300	34	79 %
301 - 400	3	7 %
401 ...	0	0 %
Avg: 246	for	43 Samples

Total Hardness (mg/L CaCO3)

... 50	9	21 %
51 - 100	0	0 %
101 - 200	1	2 %
201 - 300	15	35 %
301 - 400	12	28 %
401 ...	6	14 %
Avg: 268	for	43 Samples

Nitrate (mg/L as N)

None Detected	32	74 %
... 2.0	3	7 %
2.1 - 5.0	4	9 %
5.1 - 10.0	1	2 %
10.1 - 20.0	3	7 %
20.1 ...	0	0 %
Avg: 1.5	for	43 Samples

Chloride (mg/L)

None Detected	1	2 %
... 10	25	58 %
11 - 50	14	33 %
51 - 100	1	2 %
101 - 200	2	5 %
201 ...	0	0 %
Avg: 17.6	for	43 Samples

Saturation Index

... -3.0	1	2 %
-2.9 - -2.0	0	0 %
-1.9 - -1.0	6	14 %
-0.9 - 0.0	2	5 %
0.1 - 1.0	34	79 %
1.1 ...	0	0 %
Avg: 0	for	43 Samples

Coliform Bacteria

Bact Samples	43
Pos Bacteria	10 23 %

E. coli Bacteria

E. coli Samples	10
Pos E. coli	0 0 %

Atrazine Screen* (ppb)

None Detected	32	97 %
... 0.3	1	3 %
0.4 - 1.0	0	0 %
1.1 - 2.0	0	0 %
2.1 - 3.0	0	0 %
3.1 ...	0	0 %
Avg: <0.1	for	33 Samples

*Triazine screen before June 2008, then Diaminochlorotriazine (DACT).

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Arsenic (mg/L)

None Detected	34	92 %
... 0.010	3	8 %
0.011 - 0.050	0	0 %
0.051 - 0.100	0	0 %
0.101 - 0.150	0	0 %
0.151 ...	0	0 %
Avg: <0.004 for	37 Samples	

Calcium (mg/L)

None Detected	8	22 %
... 25	11	30 %
26 - 50	2	5 %
51 - 75	9	24 %
76 - 100	6	16 %
101 ...	1	3 %
Avg: 36.9 for	37 Samples	

Copper (mg/L)

None Detected	2	5 %
... 0.130	25	68 %
0.131 - 0.500	6	16 %
0.501 - 0.900	2	5 %
0.901 - 1.300	1	3 %
1.301 ...	1	3 %
Avg: 0.162 for	37 Samples	

Iron (mg/L)

None Detected	1	3 %
... 0.300	32	86 %
0.301 - 1.000	1	3 %
1.001 - 2.000	2	5 %
2.001 - 5.000	1	3 %
5.001 ...	0	0 %
Avg: 0.206 for	37 Samples	

Potassium (mg/L)

None Detected	3	8 %
... 20	33	89 %
21 - 40	0	0 %
41 - 60	1	3 %
61 - 80	0	0 %
81 ...	0	0 %
Avg: 3.5 for	37 Samples	

Magnesium (mg/L)

None Detected	9	24 %
... 20	10	27 %
21 - 40	13	35 %
41 - 60	4	11 %
61 - 80	1	3 %
81 ...	0	0 %
Avg: 18.4 for	37 Samples	

Manganese (mg/L)

None Detected	12	32 %
... 0.050	25	68 %
0.051 - 0.300	0	0 %
0.301 - 0.500	0	0 %
0.501 - 1.000	0	0 %
1.001 ...	0	0 %
Avg: 0.006 for	37 Samples	

Sodium (mg/L)

None Detected	1	3 %
... 25	19	51 %
26 - 50	1	3 %
51 - 75	0	0 %
76 - 100	1	3 %
101 ...	15	41 %
Avg: 66 for	37 Samples	

Lead (mg/L)

None Detected	20	54 %
... 0.015	16	43 %
0.016 - 0.025	0	0 %
0.026 - 0.050	1	3 %
0.051 - 0.100	0	0 %
0.101 ...	0	0 %
Avg: 0.003 for	37 Samples	

Sulfate (mg/L)

None Detected	1	3 %
...25	19	51 %
26 - 50	12	32 %
51 - 75	2	5 %
76 - 100	3	8 %
101 ...	0	0 %
Avg: 28.9 for	37 Samples	

Zinc (mg/L)

None Detected	5	14 %
... 0.100	23	62 %
0.101 - 0.500	5	14 %
0.501 - 1.000	2	5 %
1.001 - 5.000	2	5 %
5.001 ...	0	0 %
Avg: 0.269 for	37 Samples	