

Summary

UWEX Private Well Project

Fond du Lac Drinking Water Program 2010

Eden - Empire - Taycheedah

7/16/2012

2:33 PM

Total Number Samples: 149

Sample Dates: 3/13/2010 to 3/15/2010

Reason for Test		Last Test (yr)		Problems		Treatment Sys		Depth (ft)	Well	Casing	Water	Well Diam (in)	
Curious	0 %	Never	2 %	Color	2 %	Softener	91 %	... 25	0 %	0 %	7 %	... 3	<1 %
Problems	0 %	< 1	3 %	Taste	6 %	R/O	1 %	26-50	<1 %	10 %	2 %	4 - 9	74 %
Regular	0 %	1 - 2	10 %	Odor	15 %	Carb Filt	1 %	51-100	6 %	5 %	7 %	10 - 18	1 %
Required	0 %	2 - 5	13 %	Corr	1 %	Neutral	0 %	101-150	13 %	9 %	3 %	18 +	0 %
Bac Retest	0 %	5 - 10	18 %	Health	0 %	Part Filt	2 %	151-200	11 %	3 %	<1 %		
Disinfect	0 %	10 +	11 %	Other	6 %	Iron Filt	11 %	201 ...	9 %	3 %	1 %		
Infant...	0 %	Unk	31 %	None	48 %	Other	3 %						
Other	0 %												

pH	Conductivity (umhos/cm)	Alkalinity (mg/L CaCO3)
... 5.00	0 0 %	... 50 1 <1 %
5.01 - 6.00	0 0 %	101 - 250 1 <1 %
6.01 - 7.00	0 0 %	251 - 500 5 3 %
7.01 - 8.00	95 65 %	501 - 750 51 35 %
8.01 - 9.00	51 35 %	751 - 1000 59 40 %
9.01 ...	0 0 %	1001 ... 29 20 %
Avg: 7.87 for 146 Samples	Avg: 834 for 146 Samples	Avg: 326 for 146 Samples

Total Hardness (mg/L CaCO3)	Nitrate (mg/L as N)	Chloride (mg/L)
... 50 42 29 %	None Detected 78 53 %	None Detected 0 0 %
51 - 100 0 0 %	... 2.0 6 4 %	... 10 18 12 %
101 - 200 3 2 %	2.1 - 5.0 25 17 %	11 - 50 78 53 %
201 - 300 10 7 %	5.1 - 10.0 22 15 %	51 - 100 30 21 %
301 - 400 37 25 %	10.1 - 20.0 15 10 %	101 - 200 17 12 %
401 ... 54 37 %	20.1 ... 0 0 %	201 ... 3 2 %
Avg: 285 for 146 Samples	Avg: 3 for 146 Samples	Avg: 51.4 for 146 Samples

Saturation Index	Coliform Bacteria	Atrazine Screen* (ppb)
... -3.0 0 0 %	Bact Samples 146	None Detected 62 73 %
-2.9 - -2.0 3 2 %	Pos Bacteria 23 16 %	... 0.3 19 22 %
-1.9 - -1.0 13 9 %		0.4 - 1.0 4 5 %
-0.9 - 0.0 10 7 %	E. coli Bacteria	1.1 - 2.0 0 0 %
0.1 - 1.0 98 67 %	E. coli Samples 23	2.1 - 3.0 0 0 %
1.1 ... 22 15 %	Pos E. coli 2 9 %	3.1 ... 0 0 %
Avg: 0.5 for 146 Samples		Avg: <0.1 for 85 Samples

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

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Arsenic (mg/L)

None Detected	51	56 %
... 0.010	34	37 %
0.011 - 0.050	6	7 %
0.051 - 0.100	0	0 %
0.101 - 0.150	0	0 %
0.151 ...	0	0 %
Avg: <0.004 for	91 Samples	

Calcium (mg/L)

None Detected	2	2 %
... 25	31	34 %
26 - 50	5	5 %
51 - 75	17	19 %
76 - 100	24	26 %
101 ...	12	13 %
Avg: 54.9 for	91 Samples	

Copper (mg/L)

None Detected	10	11 %
... 0.130	45	49 %
0.131 - 0.500	27	30 %
0.501 - 0.900	7	8 %
0.901 - 1.300	2	2 %
1.301 ...	0	0 %
Avg: 0.178 for	91 Samples	

Iron (mg/L)

None Detected	20	22 %
... 0.300	55	60 %
0.301 - 1.000	9	10 %
1.001 - 2.000	3	3 %
2.001 - 5.000	3	3 %
5.001 ...	1	1 %
Avg: 0.268 for	91 Samples	

Potassium (mg/L)

None Detected	9	10 %
... 20	82	90 %
21 - 40	0	0 %
41 - 60	0	0 %
61 - 80	0	0 %
81 ...	0	0 %
Avg: 2.7 for	91 Samples	

Magnesium (mg/L)

None Detected	5	5 %
... 20	29	32 %
21 - 40	15	16 %
41 - 60	32	35 %
61 - 80	8	9 %
81 ...	2	2 %
Avg: 32.2 for	91 Samples	

Manganese (mg/L)

None Detected	30	33 %
... 0.050	54	59 %
0.051 - 0.300	6	7 %
0.301 - 0.500	1	1 %
0.501 - 1.000	0	0 %
1.001 ...	0	0 %
Avg: 0.02 for	91 Samples	

Sodium (mg/L)

None Detected	0	0 %
... 25	41	45 %
26 - 50	9	10 %
51 - 75	7	8 %
76 - 100	2	2 %
101 ...	32	35 %
Avg: 93.3 for	91 Samples	

Lead (mg/L)

None Detected	26	29 %
... 0.015	59	65 %
0.016 - 0.025	2	2 %
0.026 - 0.050	1	1 %
0.051 - 0.100	3	3 %
0.101 ...	0	0 %
Avg: 0.006 for	91 Samples	

Sulfate (mg/L)

None Detected	1	1 %
...25	17	19 %
26 - 50	29	32 %
51 - 75	18	20 %
76 - 100	4	4 %
101 ...	22	24 %
Avg: 80.5 for	91 Samples	

Zinc (mg/L)

None Detected	7	8 %
... 0.100	47	52 %
0.101 - 0.500	17	19 %
0.501 - 1.000	2	2 %
1.001 - 5.000	16	18 %
5.001 ...	2	2 %
Avg: 0.529 for	91 Samples	