

Summary

UWEX Private Well Project

Green County - May 2021

Adams, New Glarus, Washington, York

7/1/2021

9:22 AM

Total Number Samples: 144

Sample Dates: 5/24/2021 to 5/25/2021

Reason for Test		Last Test (yr)		Problems		Treatment Sys		Depth (ft)	Well	Casing	Water	Well Diam (in)	
Curious	83 %	Never	6 %	Color	3 %	Softener	78 %	... 25	1 %	<1 %	4 %	... 3	2 %
Problems	4 %	< 1	3 %	Taste	1 %	R/O	8 %	26-50	0 %	2 %	1 %	4 - 9	39 %
Regular	19 %	1 - 2	10 %	Odor	3 %	Carb Filt	5 %	51-100	3 %	22 %	1 %	10 - 18	1 %
Required	0 %	2 - 5	25 %	Corr	2 %	Neutral	<1 %	101-150	3 %	5 %	8 %	18 +	0 %
Bac Retest	<1 %	5 - 10	12 %	Health	0 %	Part Filt	22 %	151-200	10 %	1 %	3 %		
Disinfect	0 %	10 +	18 %	Other	8 %	Iron Filt	3 %	201 ...	22 %	3 %	0 %		
Infant...	0 %	Unk	15 %	None	68 %	Other	4 %						
Other	6 %												

pH		
... 5.00	0	0 %
5.01 - 6.00	0	0 %
6.01 - 7.00	0	0 %
7.01 - 8.00	31	22 %
8.01 - 9.00	111	78 %
9.01 ...	0	0 %
Avg: 8	for	142 Samples

Conductivity (umhos/cm)		
... 100	1	<1 %
101 - 250	3	2 %
251 - 500	8	6 %
501 - 750	96	68 %
751 - 1000	33	23 %
1001 ...	1	<1 %
Avg: 660	for	142 Samples

Alkalinity (mg/L CaCO3)		
... 50	2	1 %
51 - 100	5	4 %
101 - 200	1	<1 %
201 - 300	35	25 %
301 - 400	97	68 %
401 ...	2	1 %
Avg: 309	for	142 Samples

Total Hardness (mg/L CaCO3)		
... 50	12	8 %
51 - 100	3	2 %
101 - 200	3	2 %
201 - 300	18	13 %
301 - 400	91	64 %
401 ...	15	11 %
Avg: 309	for	142 Samples

Nitrate (mg/L as N)		
None Detected	11	8 %
... 2.0	46	32 %
2.1 - 5.0	46	32 %
5.1 - 10.0	32	23 %
10.1 - 20.0	7	5 %
20.1 ...	0	0 %
Avg: 3.8	for	142 Samples

Chloride (mg/L)		
None Detected	0	0 %
... 10	60	42 %
11 - 50	72	51 %
51 - 100	9	6 %
101 - 200	1	<1 %
201 ...	0	0 %
Avg: 18.7	for	142 Samples

Saturation Index		
... -3.0	1	<1 %
-2.9 - -2.0	1	<1 %
-1.9 - -1.0	8	6 %
-0.9 - 0.0	2	1 %
0.1 - 1.0	129	91 %
1.1 ...	1	<1 %
Avg: 0.5	for	142 Samples

Coliform Bacteria		
Bact Samples	142	
Pos Bacteria	19	13 %
E. coli Bacteria		
E. coli Samples	19	
Pos E. coli	0	0 %

Atrazine Screen* (ppb)		
None Detected	93	80 %
... 0.3	18	16 %
0.4 - 1.0	2	2 %
1.1 - 2.0	3	3 %
2.1 - 3.0	0	0 %
3.1 ...	0	0 %
Avg: <0.1	for	116 Samples

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

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Arsenic (mg/L)

None Detected	39	33 %
... 0.010	77	66 %
0.011 - 0.050	1	<1 %
0.051 - 0.100	0	0 %
0.101 - 0.150	0	0 %
0.151 ...	0	0 %
Avg: <0.005 for	117 Samples	

Calcium (mg/L)

None Detected	0	0 %
... 25	23	20 %
26 - 50	8	7 %
51 - 75	66	56 %
76 - 100	19	16 %
101 ...	1	<1 %
Avg: 55.9 for	117 Samples	

Copper (mg/L)

None Detected	2	2 %
... 0.130	75	64 %
0.131 - 0.500	27	23 %
0.501 - 0.900	9	8 %
0.901 - 1.300	0	0 %
1.301 ...	4	3 %
Avg: 0.254 for	117 Samples	

Iron (mg/L)

None Detected	77	66 %
... 0.300	39	33 %
0.301 - 1.000	1	<1 %
1.001 - 2.000	0	0 %
2.001 - 5.000	0	0 %
5.001 ...	0	0 %
Avg: 0.017 for	117 Samples	

Potassium (mg/L)

None Detected	0	0 %
... 20	117	100 %
21 - 40	0	0 %
41 - 60	0	0 %
61 - 80	0	0 %
81 ...	0	0 %
Avg: 1 for	117 Samples	

Magnesium (mg/L)

None Detected	1	<1 %
... 20	22	19 %
21 - 40	36	31 %
41 - 60	58	50 %
61 - 80	0	0 %
81 ...	0	0 %
Avg: 34.5 for	117 Samples	

Manganese (mg/L)

None Detected	80	68 %
... 0.050	37	32 %
0.051 - 0.300	0	0 %
0.301 - 0.500	0	0 %
0.501 - 1.000	0	0 %
1.001 ...	0	0 %
Avg: 0.003 for	117 Samples	

Sodium (mg/L)

None Detected	1	<1 %
... 25	88	75 %
26 - 50	8	7 %
51 - 75	5	4 %
76 - 100	1	<1 %
101 ...	14	12 %
Avg: 32.1 for	117 Samples	

Lead (mg/L)

None Detected	98	84 %
... 0.015	11	9 %
0.016 - 0.025	6	5 %
0.026 - 0.050	1	<1 %
0.051 - 0.100	1	<1 %
0.101 ...	0	0 %
Avg: 0.003 for	117 Samples	

Sulfate (mg/L)

None Detected	0	0 %
...25	85	73 %
26 - 50	27	23 %
51 - 75	5	4 %
76 - 100	0	0 %
101 ...	0	0 %
Avg: 20.7 for	117 Samples	

Zinc (mg/L)

None Detected	3	3 %
... 0.100	77	66 %
0.101 - 0.500	22	19 %
0.501 - 1.000	6	5 %
1.001 - 5.000	7	6 %
5.001 ...	2	2 %
Avg: 0.369 for	117 Samples	