

## Summary

UWEX Private Well Project

## Green County-2025

Towns of Adams - New Glarus - Washington - York

5/2/2025

10:35 AM

Total Number Samples: 98

Sample Dates: 3/1/2025 to 4/22/2025

| Reason for Test |      | Last Test (yr) |      | Problems |      | Treatment Sys |      | Depth (ft) Well |     | Casing | Water | Well Diam (in) |      |
|-----------------|------|----------------|------|----------|------|---------------|------|-----------------|-----|--------|-------|----------------|------|
| Curious         | 87 % | Never          | 5 %  | Color    | 4 %  | Softener      | 81 % | ... 25          | 0%  | 0%     | 2%    | ... 3          | 2 %  |
| Problems        | 4 %  | < 1            | 3 %  | Taste    | 3 %  | R/O           | 8 %  | 26-50           | 0%  | 1%     | 2%    | 4 - 9          | 53 % |
| Regular         | 23 % | 1 - 2          | 9 %  | Odor     | 6 %  | Carb Filt     | 3 %  | 51-100          | 5%  | 29%    | 3%    | 10 - 18        | 2 %  |
| Required        | 0 %  | 2 - 5          | 36 % | Corr     | 5 %  | Neutral       | 2 %  | 101-150         | 5%  | 6%     | 9%    | 18 +           | 0 %  |
| Bac Retest      | 0 %  | 5 - 10         | 10 % | Health   | 0 %  | Part Filt     | 18 % | 151-200         | 10% | 4%     | 4%    |                |      |
| Disinfect       | 0 %  | 10 +           | 15 % | Other    | 6 %  | Iron Filt     | 6 %  | 201 ...         | 31% | 2%     | 1%    |                |      |
| Infant...       | 2 %  | Unk            | 18 % | None     | 66 % | Other         | 4 %  |                 |     |        |       |                |      |
| Other           | 3 %  |                |      |          |      |               |      |                 |     |        |       |                |      |

| pH          |     |            | Conductivity (umhos/cm) |     |            | Alkalinity (mg/L CaCO3) |     |            |
|-------------|-----|------------|-------------------------|-----|------------|-------------------------|-----|------------|
| ... 5.00    | 0   | 0 %        | ... 100                 | 1   | 1 %        | ... 50                  | 1   | 1 %        |
| 5.01 - 6.00 | 0   | 0 %        | 101 - 250               | 0   | 0 %        | 51 - 100                | 2   | 2 %        |
| 6.01 - 7.00 | 2   | 2 %        | 251 - 500               | 5   | 5 %        | 101 - 200               | 1   | 1 %        |
| 7.01 - 8.00 | 5   | 5 %        | 501 - 750               | 73  | 78 %       | 201 - 300               | 46  | 49 %       |
| 8.01 - 9.00 | 87  | 93 %       | 751 - 1000              | 12  | 13 %       | 301 - 400               | 43  | 46 %       |
| 9.01 ...    | 0   | 0 %        | 1001 ...                | 3   | 3 %        | 401 ...                 | 1   | 1 %        |
| Avg: 7.72   | for | 94 Samples | Avg: 663                | for | 94 Samples | Avg: 299                | for | 94 Samples |

| Total Hardness (mg/L CaCO3) |     |            | Nitrate (mg/L as N) |     |            | Chloride (mg/L) |     |            |
|-----------------------------|-----|------------|---------------------|-----|------------|-----------------|-----|------------|
| ... 50                      | 9   | 10 %       | None Detected       | 13  | 14 %       | None Detected   | 0   | 0 %        |
| 51 - 100                    | 1   | 1 %        | ... 2.0             | 29  | 31 %       | ... 10          | 50  | 53 %       |
| 101 - 200                   | 2   | 2 %        | 2.1 - 5.0           | 32  | 34 %       | 11 - 50         | 37  | 39 %       |
| 201 - 300                   | 12  | 13 %       | 5.1 - 10.0          | 14  | 15 %       | 51 - 100        | 6   | 6 %        |
| 301 - 400                   | 59  | 63 %       | 10.1 - 20.0         | 6   | 6 %        | 101 - 200       | 0   | 0 %        |
| 401 ...                     | 11  | 12 %       | 20.1 ...            | 0   | 0 %        | 201 ...         | 1   | 1 %        |
| Avg: 310                    | for | 94 Samples | Avg: 3.3            | for | 94 Samples | Avg: 18.5       | for | 94 Samples |

| Saturation Index |     |            | Coliform Bacteria       |    |     | Atrazine Screen* (ppb) |     |            |
|------------------|-----|------------|-------------------------|----|-----|------------------------|-----|------------|
| ... -3.0         | 1   | 1 %        | Bact Samples            | 94 |     | None Detected          | 62  | 83 %       |
| -2.9 - -2.0      | 0   | 0 %        | Pos Bacteria            | 4  | 4 % | ... 0.3                | 8   | 11 %       |
| -1.9 - -1.0      | 5   | 5 %        |                         |    |     | 0.4 - 1.0              | 5   | 7 %        |
| -0.9 - 0.0       | 4   | 4 %        | <b>E. coli Bacteria</b> |    |     | 1.1 - 2.0              | 0   | 0 %        |
| 0.1 - 1.0        | 80  | 85 %       | E. coli Samples         | 4  |     | 2.1 - 3.0              | 0   | 0 %        |
| 1.1 ...          | 4   | 4 %        | Pos E. coli             | 0  | 0 % | 3.1 ...                | 0   | 0 %        |
| Avg: 0.6         | for | 94 Samples |                         |    |     | Avg: <0.1              | for | 75 Samples |

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

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### Arsenic (mg/L)

|                 |            |       |
|-----------------|------------|-------|
| None Detected   | 77         | 100 % |
| ... 0.010       | 0          | 0 %   |
| 0.011 - 0.050   | 0          | 0 %   |
| 0.051 - 0.100   | 0          | 0 %   |
| 0.101 - 0.150   | 0          | 0 %   |
| 0.151 ...       | 0          | 0 %   |
| Avg: <0.005 for | 77 Samples |       |

### Calcium (mg/L)

|               |            |      |
|---------------|------------|------|
| None Detected | 0          | 0 %  |
| ... 25        | 21         | 27 % |
| 26 - 50       | 7          | 9 %  |
| 51 - 75       | 37         | 48 % |
| 76 - 100      | 12         | 16 % |
| 101 ...       | 0          | 0 %  |
| Avg: 48.3 for | 77 Samples |      |

### Copper (mg/L)

|                |            |      |
|----------------|------------|------|
| None Detected  | 3          | 4 %  |
| ... 0.130      | 45         | 58 % |
| 0.131 - 0.500  | 23         | 30 % |
| 0.501 - 0.900  | 3          | 4 %  |
| 0.901 - 1.300  | 1          | 1 %  |
| 1.301 ...      | 2          | 3 %  |
| Avg: 0.265 for | 77 Samples |      |

### Iron (mg/L)

|                |            |      |
|----------------|------------|------|
| None Detected  | 56         | 73 % |
| ... 0.300      | 20         | 26 % |
| 0.301 - 1.000  | 1          | 1 %  |
| 1.001 - 2.000  | 0          | 0 %  |
| 2.001 - 5.000  | 0          | 0 %  |
| 5.001 ...      | 0          | 0 %  |
| Avg: 0.014 for | 77 Samples |      |

### Potassium (mg/L)

|               |            |      |
|---------------|------------|------|
| None Detected | 1          | 1 %  |
| ... 20        | 75         | 97 % |
| 21 - 40       | 1          | 1 %  |
| 41 - 60       | 0          | 0 %  |
| 61 - 80       | 0          | 0 %  |
| 81 ...        | 0          | 0 %  |
| Avg: 1.4 for  | 77 Samples |      |

### Magnesium (mg/L)

|               |            |      |
|---------------|------------|------|
| None Detected | 1          | 1 %  |
| ... 20        | 20         | 26 % |
| 21 - 40       | 28         | 36 % |
| 41 - 60       | 28         | 36 % |
| 61 - 80       | 0          | 0 %  |
| 81 ...        | 0          | 0 %  |
| Avg: 30 for   | 77 Samples |      |

### Manganese (mg/L)

|                |            |      |
|----------------|------------|------|
| None Detected  | 50         | 65 % |
| ... 0.050      | 27         | 35 % |
| 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 | 77 Samples |      |

### Sodium (mg/L)

|               |            |      |
|---------------|------------|------|
| None Detected | 0          | 0 %  |
| ... 25        | 53         | 69 % |
| 26 - 50       | 1          | 1 %  |
| 51 - 75       | 2          | 3 %  |
| 76 - 100      | 3          | 4 %  |
| 101 ...       | 18         | 23 % |
| Avg: 46.3 for | 77 Samples |      |

### Lead (mg/L)

|                 |            |      |
|-----------------|------------|------|
| None Detected   | 71         | 92 % |
| ... 0.015       | 5          | 6 %  |
| 0.016 - 0.025   | 1          | 1 %  |
| 0.026 - 0.050   | 0          | 0 %  |
| 0.051 - 0.100   | 0          | 0 %  |
| 0.101 ...       | 0          | 0 %  |
| Avg: <0.002 for | 77 Samples |      |

### Sulfate (mg/L)

|               |            |      |
|---------------|------------|------|
| None Detected | 0          | 0 %  |
| ...25         | 64         | 83 % |
| 26 - 50       | 9          | 12 % |
| 51 - 75       | 4          | 5 %  |
| 76 - 100      | 0          | 0 %  |
| 101 ...       | 0          | 0 %  |
| Avg: 19.7 for | 77 Samples |      |

### Zinc (mg/L)

|                |            |      |
|----------------|------------|------|
| None Detected  | 2          | 3 %  |
| ... 0.100      | 51         | 66 % |
| 0.101 - 0.500  | 21         | 27 % |
| 0.501 - 1.000  | 1          | 1 %  |
| 1.001 - 5.000  | 2          | 3 %  |
| 5.001 ...      | 0          | 0 %  |
| Avg: 0.155 for | 77 Samples |      |