

| <b>Water Samples Test Comparison / New Madrid County Well # 1</b> |            |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|---|------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| <b>Nutrients</b>  | <b>CWA</b> |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|   |            | <b>Oct. 2017</b> | <b>May. 2018</b> | <b>Oct. 2018</b> | <b>May. 2019</b> | <b>Oct. 2019</b> | <b>May. 2020</b> | <b>Oct. 2020</b> | <b>May. 2021</b> | <b>Oct. 2021</b> |
| PH  |            | 6.7              | 7.35             | 6.79             | 6.88             | 6.6              | 6.6              | 6.9              | 6.53             | 6.51             |
| NH4N ppm  | 2.00 ppm   | 1                | 0.1              | 4.9              | 0.3              |                  |                  |                  |                  |                  |
| NH3N ppm  |            |                  |                  |                  |                  | 0.47             | 0.33             | 1.07             | 0.94             | 0.37             |
| N03N ppm  | 10.00ppm   | 1.2              | 1.3              | 0.9              | 3.6              | 0.4              | 0.24             | 0.42             | 0.11             | 0.2              |
| Phosphrous  | 1.00ppm    | 0.1              | 0.05             | 0.05             | 0.2              | 0.01             | 0.01             | 0.01             |                  | 0.01             |
| Potassium   |            | 2                | 0.55             | 1                | 1                | 1.5              | 1.4              | 1.5              | 1.2              | 1.68             |
| Calcium   |            | 51               | 55               | 61               | 64               | 56.1             | 69.7             | 72.1             | 76.6             | 63.8             |
| Magnesium   |            | 18               | 17.2             | 22               | 23               | 18.7             | 17               | 24.6             | 28.9             | 22.56            |
| SO4-S   |            | 11               | 10.04            | 26.1             | 18.2             | 9.75             | 29.95            | 13               | 31.8             | 36.38            |
| Arsenic-Ar  |            |                  |                  |                  |                  |                  | 0.0027           | 0.0031           |                  |                  |

CWA = Clean Water Act Threshold

|                 |
|-----------------|
|                 |
| <b>May 2022</b> |
| 6.76            |
|                 |
| 1.58            |
| 0.01            |
| 0.25            |
| 4.82            |
| 63.17           |
| 21.25           |
| 101.37          |
|                 |