

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2020 Quarterly Results

| Well Name               |                                     | NE Community Center, City monitoring well | Trinity School, Adams & Carlisle, City monitoring well | Denver & Marietta, City monitoring well |          |         |          | Hale's Ale Nested Site, mid | Hale's Ale Nested Site, east |          |         |          |          |        |
|-------------------------|-------------------------------------|---|--|---|----------|---------|----------|-----------------------------|------------------------------|----------|---------|----------|----------|--------|
| WQMP Well ID            |                                     | 5304G01                                   | 5307M01  | 5308H01                                 |          |         |          | 5311J07                     | 5311J05                      |          |         |          |          |        |
| SampleID/Comment        |                                     | 5304G01                                   | 5307M01  | 5308H01                                 | 5308H01  | 5308H01 | 5308H01  | 5311J07                     | 5311J05                      | 5311J05  | 5311J05 | 5311J05  | 5311J05  |        |
| Quarter                 |                                     | 3   | 3  | 1                                       | 2        | 3       | 4        | 3                           | 1                            | 2        | 3       | 4        |          |        |
| Sample Date             |                                     | 8/4/20                                    | 8/3/20   | 2/5/20                                  | 5/5/20   | 8/3/20  | 10/28/20 | 8/7/20                      | 2/5/20                       | 5/5/20   | 8/7/20  | 10/28/20 |          |        |
| Static Water Level (ft) |                                     | 179.59                                    | 139.22   | 82.08                                   | 79.55    | 86.21   | 84.45    | 68.03                       | 63.23                        | 59.15    | 67.82   | 66.49    |          |        |
| Sample Depth (ft)       |                                     | 182                                       | 148  | 87                                      | 87       | 88      | 87       | 105                         | 65                           | 63       | 69      | 68       |          |        |
| Conductivity (µS/cm)    |                                     | 256.20                                    | 225.60   | 208.70                                  | 220.60   | 157.60  | 213.60   | 297.90                      | 285.10                       | 350.00   | 300.60  | 311.80   |          |        |
| Water Temperature (C°)  |                                     | 13.50                                     | 16.40  | 13.40                                   | 13.00    | 14.50   | 13.70    | 11.90                       | 10.70                        | 11.80    | 11.60   | 11.50    |          |        |
| pH                      |                                     | 7.98                                      | 8.14   | 7.87                                    | 6.95     | 7.94    | 7.78     | 7.87                        | 7.79                         | 7.68     | 7.84    | 7.80     |          |        |
| Analytes                | Washington Drinking Water Standards |   |  |   |          |         |          |                             |                              |          |         |          |          |        |
|                         | MCL <sup>1</sup>                    | Trigger Level <sup>2</sup>                | Secondary  |   |          |         |          |                             |                              |          |         |          |          |        |
| Phosphorus              | -                                   | -   | -  | 0.005                                   | 0.008    | 0.006   | 0.004    | 0.008                       | 0.003                        | 0.006    | 0.013   | 0.007    | 0.006    | <0.002 |
| SRP <sup>3</sup>        | -                                   | -   | -  | 0.002                                   | 0.002    | 0.002   | 0.004    | 0.002                       | 0.002                        | 0.003    | 0.013   | 0.004    | 0.002    | 0.002  |
| Nitrate+Nitrite         | 10                                  | 5   | -  | 1.260                                   | 1.130    | 1.040   | 1.050    | 0.790                       | 1.020                        | 1.490    | 1.600   | 1.870    | 1.510    | 1.520  |
| Arsenic                 | 0.01                                | 0.005                                     | -  | 0.00264                                 | 0.00254  | -       | -        | 0.00243                     | -                            | 0.00316  | -       | -        | 0.00323  | -      |
| Lead <sup>4</sup>       | 0.015                               | -   | -  | <0.0010                                 | <0.0010  | -       | -        | <0.0010                     | -                            | <0.0010  | -       | -        | <0.0010  | -      |
| Copper <sup>4</sup>     | 1.3                                 | -   | -  | <0.00100                                | <0.00100 | -       | -        | <0.00100                    | -                            | <0.00100 | -       | -        | <0.00100 | -      |
| Mercury                 | 0.002                               | 0.0004                                    | -  | <0.00020                                | <0.00020 | -       | -        | <0.00020                    | -                            | <0.00020 | -       | -        | <0.00020 | -      |
| Cadmium                 | 0.005                               | 0.005                                     | -  | <0.0002                                 | <0.0002  | -       | -        | <0.0002                     | -                            | <0.0002  | -       | -        | <0.0002  | -      |
| Chromium                | 0.1                                 | 0.02                                      | -  | <0.0015                                 | <0.0015  | -       | -        | <0.0015                     | -                            | <0.0015  | -       | -        | <0.0015  | -      |
| Fluoride                | 4                                   | 0.5                                       | 2  | <0.10                                   | <0.10    | -       | -        | <0.10                       | -                            | <0.10    | -       | -        | <0.10    | -      |
| Chloride                | -                                   | 250                                       | 250  | 8.04                                    | 7.92     | 5.84    | 5.96     | 5.75                        | 6.40                         | 8.87     | 7.70    | 8.09     | 9.20     | 8.35   |
| Sodium                  | -                                   | -   | -  | 5.04                                    | 4.14     | -       | -        | 3.17                        | -                            | 4.98     | -       | -        | 5.09     | -      |
| Zinc                    | -                                   | 5   | 5  | <0.005                                  | <0.005   | -       | -        | <0.005                      | -                            | 0.012    | -       | -        | <0.005   | -      |
| Magnesium               | -                                   | -   | -  | 14.70                                   | 10.50    | -       | -        | 6.84                        | -                            | 17.30    | -       | -        | 16.90    | -      |
| Potassium               | -                                   | -   | -  | 1.99                                    | 1.84     | -       | -        | 1.39                        | -                            | 2.11     | -       | -        | 2.09     | -      |
| Manganese               | -                                   | 0.05                                      | 0.05   | <0.001                                  | <0.001   | -       | -        | <0.001                      | -                            | <0.001   | -       | -        | <0.001   | -      |
| Calcium                 | -                                   | -   | -  | 31.40                                   | 30.30    | -       | -        | 19.90                       | -                            | 37.10    | -       | -        | 37.50    | -      |
| Bromide                 | -                                   | -   | -  | <0.10                                   | <0.10    | <0.10   | <0.10    | <0.10                       | <0.10                        | <0.10    | <0.10   | <0.10    | <0.10    | <0.10  |

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

Results above the trigger level are in **red**.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2020 Quarterly Results

| Well Name               |                                     | Felts Field City monitoring well |           | Plantas Ferry Park monitoring well | monitoring well Frederick & Bowdish | monitoring well at SCC |                |         |          |         |          |          |          |        |
|-------------------------|-------------------------------------|----------------------------------|-----------|------------------------------------|-------------------------------------|------------------------|----------------|---------|----------|---------|----------|----------|----------|--------|
| WQMP Well ID            |                                     | 5312C01                          |           | 5404A01                            | 5409C02                             | 5310Q01                |                |         |          |         |          |          |          |        |
| SampleID/Comment        |                                     | 5312C01                          | 5312C01   | 5404A01                            | 5409C02                             | 5310Q01                | 5310Q01a       | 5310Q01 | 5310Q01a | 5310Q01 | 5310Q01a | 5310Q01  |          |        |
| Quarter                 |                                     | 2                                | 3         | 3                                  | 3                                   | 1                      | 1              | 2       | 2        | 3       | 3        | 4        |          |        |
| Sample Date             |                                     | 5/5/20                           | 8/3/20    | 8/7/20                             | 8/13/20                             | 2/5/20                 | 2/5/20         | 5/5/20  | 5/5/20   | 8/3/20  | 8/3/20   | 10/28/20 |          |        |
| Static Water Level (ft) |                                     | 56.34                            | 63.29     | 48.13                              | 92.60                               | 34.95                  | -              | 30.79   | -        | 40.05   | -        | 38.38    |          |        |
| Sample Depth (ft)       |                                     | 58                               | 68        | 110                                | 94                                  | 42                     | -              | 41      | -        | 41      | -        | 41       |          |        |
| Conductivity (µS/cm)    |                                     | 228.80                           | -         | 266.8                              | 275.90                              | 191.20                 | -              | 236.6   | -        | 183.60  | -        | 185.9    |          |        |
| Water Temperature (C°)  |                                     | 14.00                            | -         | 13.40                              | 11.20                               | 13.00                  | -              | 13.3    | -        | 14.80   | -        | 13.7     |          |        |
| pH                      |                                     | 7.12                             | -         | 7.07                               | 7.75                                | 8.17                   | -              | 7.72    | -        | 8.31    | -        | 8.07     |          |        |
| Analytes                | Washington Drinking Water Standards |                                  |           |                                    |                                     |                        |                |         |          |         |          |          |          |        |
|                         | MCL <sup>1</sup>                    | Trigger Level <sup>2</sup>       | Secondary |                                    |                                     |                        |                |         |          |         |          |          |          |        |
| Phosphorus              | -                                   | -                                | -         | -                                  | 0.015                               | 0.381                  | -              | 0.005   | 0.005    | 0.004   | 0.004    | 0.005    | 0.005    | 0.003  |
| SRP <sup>3</sup>        | -                                   | -                                | -         | -                                  | 0.015                               | 0.019                  | -              | 0.002   | 0.002    | 0.003   | 0.003    | 0.004    | 0.003    | <0.001 |
| Nitrate+Nitrite         | 10                                  | 5                                | -         | -                                  | 0.950                               | 0.090                  | -              | 0.859   | 0.824    | 1.050   | 1.020    | 0.760    | 0.790    | 0.721  |
| Arsenic                 | 0.01                                | 0.005                            | -         | <b>0.00586</b>                     | <b>0.00629</b>                      | <0.00100               | <b>0.00830</b> | -       | -        | -       | -        | 0.00338  | 0.00345  | -      |
| Lead <sup>4</sup>       | 0.015                               | -                                | -         | <0.0010                            | <0.0010                             | <0.0010                | <0.0010        | -       | -        | -       | -        | <0.0010  | <0.0010  | -      |
| Copper <sup>4</sup>     | 1.3                                 | -                                | -         | <0.00100                           | <0.00100                            | 0.02590                | <0.00100       | -       | -        | -       | -        | <0.00100 | <0.00100 | -      |
| Mercury                 | 0.002                               | 0.0004                           | -         | <0.00020                           | <0.00020                            | <0.00020               | <0.00020       | -       | -        | -       | -        | <0.00020 | <0.00020 | -      |
| Cadmium                 | 0.005                               | 0.005                            | -         | <0.0002                            | <0.0002                             | <0.0002                | <0.0002        | -       | -        | -       | -        | <0.0002  | <0.0002  | -      |
| Chromium                | 0.1                                 | 0.02                             | -         | -                                  | <0.0015                             | <0.0015                | 0.00215        | -       | -        | -       | -        | <0.0015  | <0.0015  | -      |
| Fluoride                | 4                                   | 0.5                              | 2         | -                                  | <0.10                               | 0.27                   | -              | -       | -        | -       | -        | <0.10    | <0.10    | -      |
| Chloride                | -                                   | 250                              | 250       | -                                  | 3.60                                | 1.92                   | -              | 4.97    | 4.98     | 6.28    | 6.29     | 5.70     | 5.60     | 4.60   |
| Sodium                  | -                                   | -                                | -         | -                                  | 3.42                                | 11.00                  | 4.24           | -       | -        | -       | -        | 3.08     | 3.13     | -      |
| Zinc                    | -                                   | 5                                | 5         | <0.005                             | <0.005                              | 0.132                  | <0.005         | -       | -        | -       | -        | <0.005   | <0.005   | -      |
| Magnesium               | -                                   | -                                | -         | -                                  | 6.60                                | 14.60                  | 14.60          | -       | -        | -       | -        | 8.08     | 8.08     | -      |
| Potassium               | -                                   | -                                | -         | -                                  | 1.41                                | 5.65                   | 1.95           | -       | -        | -       | -        | 1.51     | 1.52     | -      |
| Manganese               | -                                   | 0.05                             | 0.05      | -                                  | <0.001                              | <b>0.329</b>           | <b>0.123</b>   | -       | -        | -       | -        | 0.022    | 0.020    | -      |
| Calcium                 | -                                   | -                                | -         | -                                  | 24.40                               | 25.40                  | 37.00          | -       | -        | -       | -        | 24.60    | 24.40    | -      |
| Bromide                 | -                                   | -                                | -         | -                                  | <0.10                               | <0.10                  | -              | <0.10   | <0.10    | <0.10   | <0.10    | <0.10    | <0.10    | <0.10  |

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

Results above the trigger level are in **red**.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2020 Quarterly Results

| Well Name               |                                     | monitoring well at SCC     | Olive & Fiske monitoring well |         |         |          | Third & Havana Nested Site, east |         |         |          | Third & Havana Nested Site, mid |       |          |
|-------------------------|-------------------------------------|----------------------------|-------------------------------|---------|---------|----------|----------------------------------|---------|---------|----------|---------------------------------|-------|----------|
| WQMP Well ID            |                                     | 5310Q01                    | 5315L01                       |         |         |          | 5322A01                          |         |         |          | 5322A03                         |       |          |
| SampleID/Comment        |                                     | 5310Q01a                   | 5315L01                       | 5315L01 | 5315L01 | 5315L01  | 5322A01                          | 5322A01 | 5322A01 | 5322A01  | 5322A03                         |       |          |
| Quarter                 |                                     | 4                          | 1                             | 2       | 3       | 4        | 1                                | 2       | 3       | 4        | 3                               |       |          |
| Sample Date             |                                     | 10/28/20                   | 2/5/20                        | 5/5/20  | 8/3/20  | 10/28/20 | 2/5/20                           | 5/5/20  | 8/3/20  | 10/28/20 | 8/3/20                          |       |          |
| Static Water Level (ft) |                                     | -                          | 65.51                         | 61.87   | 69.69   | 68.29    | 48.19                            | 44.44   | 52.37   | 50.90    | 52.51                           |       |          |
| Sample Depth (ft)       |                                     | -                          | 69                            | 68      | 71      | 70       | 49                               | 47      | 54      | 52       | 90                              |       |          |
| Conductivity (µS/cm)    |                                     | -                          | 237.40                        | 267.30  | 209.00  | 218.60   | 273.60                           | 327.90  | 343.10  | 267.70   | 246.70                          |       |          |
| Water Temperature (C°)  |                                     | -                          | 12.60                         | 14.00   | 14.90   | 13.20    | 12.50                            | 14.00   | 15.40   | 13.00    | 14.60                           |       |          |
| pH                      |                                     | -                          | 8.09                          | 7.77    | 7.93    | 7.90     | 8.30                             | 7.61    | 7.85    | 7.62     | 7.93                            |       |          |
| Analytes                | Washington Drinking Water Standards |                            |                               |         |         |          |                                  |         |         |          |                                 |       |          |
|                         | MCL <sup>1</sup>                    | Trigger Level <sup>2</sup> | Secondary                     |         |         |          |                                  |         |         |          |                                 |       |          |
| Phosphorus              | -                                   | -                          | -                             | 0.003   | 0.007   | 0.005    | 0.009                            | 0.004   | 0.009   | 0.009    | 0.007                           | 0.007 | 0.008    |
| SRP <sup>3</sup>        | -                                   | -                          | -                             | <0.001  | 0.004   | 0.003    | 0.004                            | 0.004   | 0.009   | 0.009    | 0.006                           | 0.006 | 0.006    |
| Nitrate+Nitrite         | 10                                  | 5                          | -                             | 0.702   | 1.110   | 1.210    | 0.970                            | 0.913   | 1.590   | 1.850    | 1.410                           | 1.300 | 1.500    |
| Arsenic                 | 0.01                                | 0.005                      | -                             | -       | -       | -        | 0.00245                          | -       | -       | -        | 0.00260                         | -     | 0.00276  |
| Lead <sup>4</sup>       | 0.015                               | -                          | -                             | -       | -       | -        | <0.0010                          | -       | -       | -        | <0.0010                         | -     | <0.0010  |
| Copper <sup>4</sup>     | 1.3                                 | -                          | -                             | -       | -       | -        | <0.00100                         | -       | -       | -        | <0.00100                        | -     | <0.00100 |
| Mercury                 | 0.002                               | 0.0004                     | -                             | -       | -       | -        | <0.00020                         | -       | -       | -        | <0.00020                        | -     | <0.00020 |
| Cadmium                 | 0.005                               | 0.005                      | -                             | -       | -       | -        | <0.0002                          | -       | -       | -        | <0.0002                         | -     | <0.0002  |
| Chromium                | 0.1                                 | 0.02                       | -                             | -       | -       | -        | <0.0015                          | -       | -       | -        | <0.0015                         | -     | <0.0015  |
| Fluoride                | 4                                   | 0.5                        | 2                             | -       | -       | -        | <0.10                            | -       | -       | -        | <0.10                           | -     | <0.10    |
| Chloride                | -                                   | 250                        | 250                           | 4.61    | 9.89    | 9.46     | 7.50                             | 5.91    | 14.40   | 17.50    | 8.75                            | 9.45  | 9.24     |
| Sodium                  | -                                   | -                          | -                             | -       | -       | -        | 3.36                             | -       | -       | -        | 4.83                            | -     | 5.07     |
| Zinc                    | -                                   | 5                          | 5                             | -       | -       | -        | <0.005                           | -       | -       | -        | <0.005                          | -     | <0.005   |
| Magnesium               | -                                   | -                          | -                             | -       | -       | -        | 9.60                             | -       | -       | -        | 11.20                           | -     | 11.00    |
| Potassium               | -                                   | -                          | -                             | -       | -       | -        | 1.65                             | -       | -       | -        | 1.97                            | -     | 1.93     |
| Manganese               | -                                   | 0.05                       | 0.05                          | -       | -       | -        | <0.001                           | -       | -       | -        | <0.001                          | -     | <0.001   |
| Calcium                 | -                                   | -                          | -                             | -       | -       | -        | 28.10                            | -       | -       | -        | 34.10                           | -     | 33.60    |
| Bromide                 | -                                   | -                          | -                             | <0.10   | <0.10   | <0.10    | <0.10                            | <0.10   | <0.10   | <0.10    | <0.10                           | <0.10 | <0.10    |

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

Results above the trigger level are in **red**.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2020 Quarterly Results

| Well Name               |                                     | 6th & Havana monitoring well (MW-2) |           |         | 6th & Havana monitoring well (MW-2) | CITY of SPOKANE-Ray |         |         |          | CITY of SPOKANE-Nevada | Sullivan Road and Krispy Kreme, monitoring well |          |       |       |
|-------------------------|-------------------------------------|-------------------------------------|-----------|---------|-------------------------------------|---------------------|---------|---------|----------|------------------------|---|----------|-------|-------|
| WQMP Well ID            |                                     | 5323E01                             |           |         | 5323E01                             | 5322F01             |         |         |          | 5308A02                | 5411R06   |          |       |       |
| SampleID/Comment        |                                     | 5323E01                             | 5323E01   | 5323E01 | 5323E01                             | 5322F01             | 5322F01 | 5322F01 | 5322F01  | 5308A02                | 5411R06   | 5411R06  |       |       |
| Quarter                 |                                     | 1                                   | 2         | 3       | 4                                   | 1                   | 2       | 3       | 4        | 3                      | 1   | 2        |       |       |
| Sample Date             |                                     | 2/5/20                              | 5/5/20    | 8/3/20  | 10/28/20                            | 1/21/20             | 4/21/20 | 7/28/20 | 10/27/20 | 7/28/20                | 2/4/20  | 5/5/20   |       |       |
| Static Water Level (ft) |                                     | 48.84                               | 45.11     | 52.94   | 51.49                               | -                   | -       | -       | -        | -                      | 46.05   | 42.24    |       |       |
| Sample Depth (ft)       |                                     | 50                                  | 46        | 54      | 53                                  | -                   | -       | -       | -        | -                      | 47  | 44       |       |       |
| Conductivity (µS/cm)    |                                     | 358.00                              | 364.10    | 350.00  | 376.80                              | 440.30              | 432.00  | 376.90  | 440.60   | 179.90                 | 222.20  | 83.10    |       |       |
| Water Temperature (C°)  |                                     | 12.20                               | 13.30     | 15.30   | 13.1                                | 11.80               | 11.90   | 12.10   | 11.70    | 17.30                  | 10.10   | 10.90    |       |       |
| pH                      |                                     | 7.97                                | 7.53      | 7.54    | 7.52                                | 8.60                | 8.33    | 7.98    | 8.10     | 8.22                   | 8.29  | 8.09     |       |       |
| Analytes                | Washington Drinking Water Standards |                                     |           |         |                                     |                     |         |         |          |                        |   |          |       |       |
|                         | MCL <sup>1</sup>                    | Trigger Level <sup>2</sup>          | Secondary |         |                                     |                     |         |         |          |                        |   |          |       |       |
| Phosphorus              | -                                   | -                                   | -         | 0.011   | 0.015                               | 0.012               | 0.014   | 0.021   | 0.022    | 0.016                  | 0.020   | 0.004    | 0.006 | 0.007 |
| SRP <sup>3</sup>        | -                                   | -                                   | -         | 0.011   | 0.015                               | 0.011               | 0.010   | 0.020   | 0.018    | 0.015                  | 0.018   | 0.003    | 0.003 | 0.006 |
| Nitrate+Nitrite         | 10                                  | 5                                   | -         | 2.510   | 2.250                               | 2.570               | 2.380   | 3.900   | 3.430    | 2.960                  | 3.140   | 0.850    | 0.819 | 0.080 |
| Arsenic                 | 0.01                                | 0.005                               | -         | -       | -                                   | 0.00359             | -       | -       | -        | 0.00385                | -   | 0.00275  | -     | -     |
| Lead <sup>4</sup>       | 0.015                               | -                                   | -         | -       | -                                   | <0.0010             | -       | -       | -        | <0.0010                | -   | <0.0010  | -     | -     |
| Copper <sup>4</sup>     | 1.3                                 | -                                   | -         | -       | -                                   | <0.00100            | -       | -       | -        | 0.00850                | -   | 0.00190  | -     | -     |
| Mercury                 | 0.002                               | 0.0004                              | -         | -       | -                                   | <0.00020            | -       | -       | -        | <0.00020               | -   | <0.00020 | -     | -     |
| Cadmium                 | 0.005                               | 0.005                               | -         | -       | -                                   | <0.0002             | -       | -       | -        | <0.0002                | -   | <0.0002  | -     | -     |
| Chromium                | 0.1                                 | 0.02                                | -         | -       | -                                   | <0.0015             | -       | -       | -        | <0.0015                | -   | <0.0015  | -     | -     |
| Fluoride                | 4                                   | 0.5                                 | 2         | -       | -                                   | <0.10               | -       | -       | -        | <0.10                  | -   | <0.10    | -     | -     |
| Chloride                | -                                   | 250                                 | 250       | 16.20   | 13.10                               | 17.00               | 15.80   | 25.80   | 23.60    | 19.20                  | 24.10   | 4.95     | 2.69  | 2.44  |
| Sodium                  | -                                   | -                                   | -         | -       | -                                   | 8.10                | -       | -       | -        | 9.78                   | -   | 3.07     | -     | -     |
| Zinc                    | -                                   | 5                                   | 5         | -       | -                                   | <0.005              | -       | -       | -        | <0.005                 | -   | <0.005   | -     | -     |
| Magnesium               | -                                   | -                                   | -         | -       | -                                   | 16.50               | -       | -       | -        | 16.80                  | -   | 7.75     | -     | -     |
| Potassium               | -                                   | -                                   | -         | -       | -                                   | 2.72                | -       | -       | -        | 2.83                   | -   | 1.41     | -     | -     |
| Manganese               | -                                   | 0.05                                | 0.05      | -       | -                                   | <0.001              | -       | -       | -        | <0.001                 | -   | <0.001   | -     | -     |
| Calcium                 | -                                   | -                                   | -         | -       | -                                   | 48.80               | -       | -       | -        | 53.50                  | -   | 23.90    | -     | -     |
| Bromide                 | -                                   | -                                   | -         | <0.10   | <0.10                               | <0.10               | <0.10   | <0.10   | <0.10    | <0.10                  | <0.10   | <0.10    | <0.10 | <0.10 |

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

Results above the trigger level are in **red**.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2020 Quarterly Results

| Well Name               |                                     | Sullivan Road and Krispy Krems, monitoring well |           | Mission & Barker monitoring well at CID 4 |         | I.E. COLD STORAGE | Trent & Barker Road, monitoring well |          |         |          | Barker Road north of river, monitoring well |       |          |
|-------------------------|-------------------------------------|---|-----------|---|---------|-------------------|--------------------------------------|----------|---------|----------|---|-------|----------|
| WQMP Well ID            |                                     | 5411R06   |           | 5517D05                                   |         | 5213B01           | 5505D01                              |          |         |          | 5507H01                                     |       |          |
| SampleID/Comment        |                                     | 5411R06   | 5411R06   | 5517D05                                   | 5517D05 | 5213B01           | 5505D01                              | 5505D01  | 5505D01 | 5505D01  | 5507H01                                     |       |          |
| Quarter                 |                                     | 3   | 4         | 2   | 3       | 3                 | 1                                    | 2        | 3       | 4        | 2   |       |          |
| Sample Date             |                                     | 8/7/20  | 10/29/20  | 5/7/20                                    | 8/6/20  | 7/28/20           | 2/4/20                               | 5/7/20   | 8/6/20  | 10/29/20 | 5/7/20                                      |       |          |
| Static Water Level (ft) |                                     | 51.67   | 49.96     | 79.96                                     | 85.91   | -                 | 91.89                                | 88.68    | 94.02   | 92.72    | 43.10                                       |       |          |
| Sample Depth (ft)       |                                     | 53  | 51        | 85  | 87      | -                 | 93                                   | 90       | 95      | 94       | 45  |       |          |
| Conductivity (µS/cm)    |                                     | 220.20  | 259.50    | 112.50                                    | 89.10   | 36.10             | 359.20                               | 413.10   | 346.90  | 365.90   | 98.10                                       |       |          |
| Water Temperature (C°)  |                                     | 11.90   | 12.00     | 14.70                                     | 13.20   | 12.20             | 10.60                                | 11.30    | 11.80   | 12.70    | 9.00  |       |          |
| pH                      |                                     | 7.95  | 7.52      | 7.51                                      | 7.75    | 7.82              | 8.03                                 | 7.83     | 7.92    | 7.58     | 7.50  |       |          |
| Analytes                | Washington Drinking Water Standards |   |           |   |         |                   |                                      |          |         |          |   |       |          |
|                         | MCL <sup>1</sup>                    | Trigger Level <sup>2</sup>                      | Secondary |   |         |                   |                                      |          |         |          |   |       |          |
| Phosphorus              | -                                   | -   | -         | 0.006                                     | 0.005   | -                 | 0.006                                | 0.008    | 0.010   | 0.014    | 0.011                                       | 0.011 | -        |
| SRP <sup>3</sup>        | -                                   | -   | -         | 0.002                                     | 0.004   | -                 | 0.003                                | 0.007    | 0.009   | 0.010    | 0.010                                       | 0.010 | -        |
| Nitrate+Nitrite         | 10                                  | 5   | -         | 0.950                                     | 1.110   | -                 | 0.370                                | 2.030    | 3.020   | 3.680    | 3.440                                       | 3.130 | -        |
| Arsenic                 | 0.01                                | 0.005   | -         | 0.00231                                   | -       | <0.00100          | <0.00100                             | 0.00240  | -       | -        | <b>0.00527</b>                              | -     | <0.00100 |
| Lead <sup>4</sup>       | 0.015                               | -   | -         | <0.0010                                   | -       | <0.0010           | <0.0010                              | <0.0010  | -       | -        | <0.0010                                     | -     | <0.0010  |
| Copper <sup>4</sup>     | 1.3                                 | -   | -         | <0.00100                                  | -       | <0.00100          | <0.00100                             | 0.00250  | -       | -        | <0.00100                                    | -     | <0.00100 |
| Mercury                 | 0.002                               | 0.0004  | -         | <0.00020                                  | -       | <0.00020          | <0.00020                             | <0.00020 | -       | -        | <0.00020                                    | -     | <0.00020 |
| Cadmium                 | 0.005                               | 0.005   | -         | <0.0002                                   | -       | <0.0002           | <0.0002                              | <0.0002  | -       | -        | <0.0002                                     | -     | <0.0002  |
| Chromium                | 0.1                                 | 0.02  | -         | <0.0015                                   | -       | -                 | <0.0015                              | <0.0015  | -       | -        | <0.0015                                     | -     | -        |
| Fluoride                | 4                                   | 0.5   | 2         | <0.10                                     | -       | -                 | <0.10                                | <0.10    | -       | -        | <0.10                                       | -     | -        |
| Chloride                | -                                   | 250   | 250       | 3.34                                      | 3.03    | -                 | 2.46                                 | 32.00    | 6.64    | 7.52     | 7.52  | 7.45  | -        |
| Sodium                  | -                                   | -   | -         | 3.03                                      | -       | -                 | 2.33                                 | 10.70    | -       | -        | 6.33  | -     | -        |
| Zinc                    | -                                   | 5   | 5         | <0.005                                    | -       | 0.014             | <0.005                               | <0.005   | -       | -        | <0.005                                      | -     | 0.008    |
| Magnesium               | -                                   | -   | -         | 13.50                                     | -       | -                 | 3.82                                 | 13.80    | -       | -        | 14.60                                       | -     | -        |
| Potassium               | -                                   | -   | -         | 1.67                                      | -       | -                 | 0.98                                 | 2.66     | -       | -        | 2.44  | -     | -        |
| Manganese               | -                                   | 0.05  | 0.05      | <0.001                                    | -       | -                 | <0.001                               | <0.001   | -       | -        | <0.001                                      | -     | -        |
| Calcium                 | -                                   | -   | -         | 29.40                                     | -       | -                 | 11.20                                | 42.40    | -       | -        | 50.30                                       | -     | -        |
| Bromide                 | -                                   | -   | -         | <0.10                                     | <0.10   | -                 | <0.10                                | <0.10    | <0.10   | <0.10    | <0.10                                       | <0.10 | -        |

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

Results above the trigger level are in **red**.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2020 Quarterly Results

| Well Name               |                                     | Barker Road Centennial Trail North, monitoring well |           | VERA WATER & POWER, New Well 4 |          |         |          | E. SPOKANE WTR DIST, Site 1 |         |         |          |          |       |
|-------------------------|-------------------------------------|---|-----------|--------------------------------|----------|---------|----------|-----------------------------|---------|---------|----------|----------|-------|
| WQMP Well ID            |                                     | 5508M01   |           | 5426L03                        |          |         |          | 5324G01                     |         |         |          |          |       |
| SampleID/Comment        |                                     | 5508M01   | 5508M01   | 5426L03                        | 5426L03  | 5426L03 | 5426L03  | 5324G01                     | 5324G01 | 5324G01 | 5324G01  |          |       |
| Quarter                 |                                     | 2   | 3         | 1                              | 2        | 3       | 4        | 1                           | 2       | 3       | 4        |          |       |
| Sample Date             |                                     | 5/7/20  | 8/6/20    | 1/21/20                        | 4/21/20  | 7/28/20 | 10/27/20 | 1/21/20                     | 4/21/20 | 7/28/20 | 10/29/20 |          |       |
| Static Water Level (ft) |                                     | 62.02   | 68.34     | -                              | -        | -       | -        | -                           | -       | -       | -        |          |       |
| Sample Depth (ft)       |                                     | 64  | 70        | -                              | -        | -       | -        | -                           | -       | -       | -        |          |       |
| Conductivity (µS/cm)    |                                     | 62.80   | 56.3      | 352.30                         | 389.10   | 385.00  | 423.00   | 421.40                      | 462.00  | 433.80  | 451.40   |          |       |
| Water Temperature (C°)  |                                     | 8.90  | 18.80     | 10.60                          | 11.10    | 10.07   | 10.90    | 10.80                       | 11.30   | 11.30   | 11.10    |          |       |
| pH                      |                                     | 7.46  | 7.34      | 7.94                           | 7.97     | 7.55    | 7.70     | 7.84                        | 8.03    | 7.65    | 7.37     |          |       |
| Analytes                | Washington Drinking Water Standards |   |           |                                |          |         |          |                             |         |         |          |          |       |
|                         | MCL <sup>1</sup>                    | Trigger Level <sup>2</sup>                          | Secondary |                                |          |         |          |                             |         |         |          |          |       |
| Phosphorus              | -                                   | -   | -         | -                              | 0.010    | 0.008   | 0.009    | 0.007                       | 0.007   | 0.020   | 0.018    | 0.018    | 0.019 |
| SRP <sup>3</sup>        | -                                   | -   | -         | -                              | 0.009    | 0.008   | 0.008    | 0.006                       | 0.007   | 0.019   | 0.018    | 0.017    | 0.019 |
| Nitrate+Nitrite         | 10                                  | 5   | -         | -                              | 0.280    | 2.690   | 2.580    | 2.980                       | 2.850   | 3.490   | 3.510    | 3.560    | 2.960 |
| Arsenic                 | 0.01                                | 0.005   | -         | <0.00100                       | <0.00100 | -       | -        | 0.00418                     | -       | -       | -        | 0.00477  | -     |
| Lead <sup>4</sup>       | 0.015                               | -   | -         | <0.0010                        | <0.0010  | -       | -        | <0.0010                     | -       | -       | -        | <0.0010  | -     |
| Copper <sup>4</sup>     | 1.3                                 | -   | -         | <0.00100                       | <0.00100 | -       | -        | <0.00100                    | -       | -       | -        | 0.00220  | -     |
| Mercury                 | 0.002                               | 0.0004  | -         | <0.00020                       | <0.00020 | -       | -        | <0.00020                    | -       | -       | -        | <0.00020 | -     |
| Cadmium                 | 0.005                               | 0.005   | -         | <0.0002                        | <0.0002  | -       | -        | <0.0002                     | -       | -       | -        | <0.0002  | -     |
| Chromium                | 0.1                                 | 0.02  | -         | -                              | <0.0015  | -       | -        | <0.0015                     | -       | -       | -        | <0.0015  | -     |
| Fluoride                | 4                                   | 0.5   | 2         | -                              | <0.10    | -       | -        | <0.10                       | -       | -       | -        | <0.10    | -     |
| Chloride                | -                                   | 250   | 250       | -                              | 1.90     | 11.70   | 12.30    | 11.70                       | 12.70   | 19.50   | 22.10    | 19.70    | 20.00 |
| Sodium                  | -                                   | -   | -         | -                              | 2.63     | -       | -        | 8.70                        | -       | -       | -        | 10.60    | -     |
| Zinc                    | -                                   | 5   | 5         | 0.028                          | 0.022    | -       | -        | 0.006                       | -       | -       | -        | 0.006    | -     |
| Magnesium               | -                                   | -   | -         | -                              | 1.82     | -       | -        | 15.70                       | -       | -       | -        | 19.30    | -     |
| Potassium               | -                                   | -   | -         | -                              | 0.90     | -       | -        | 3.11                        | -       | -       | -        | 3.25     | -     |
| Manganese               | -                                   | 0.05  | 0.05      | -                              | <0.001   | -       | -        | <0.001                      | -       | -       | -        | <0.001   | -     |
| Calcium                 | -                                   | -   | -         | -                              | 6.20     | -       | -        | 55.80                       | -       | -       | -        | 59.10    | -     |
| Bromide                 | -                                   | -   | -         | -                              | <0.10    | <0.10   | <0.10    | <0.10                       | <0.10   | <0.10   | <0.10    | <0.10    | <0.10 |

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

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3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2020 Quarterly Results

| Well Name               |                                     | Euclid & Barker monitoring well at CID5 |           |         |          |          |          |          |         | MODERN ELECT WATER, Site 6 | MODERN ELECT WATER, Site 11 | New Balfour Park monitoring well |       |       |
|-------------------------|-------------------------------------|---|-----------|---------|----------|----------|----------|----------|---------|----------------------------|-----------------------------|----------------------------------|-------|-------|
| WQMP Well ID            |                                     | 5507A04                                 |           |         |          |          |          |          |         | 5408N01                    | 5415E03                     | 5417R02                          |       |       |
| SampleID/Comment        |                                     | 5507A04                                 | 5507A04a  | 5507A04 | 5507A04a | 5507A04  | 5507A04  | 5507A04a | 5408N01 | 5415E03                    | 5417R02                     | 5417R02                          |       |       |
| Quarter                 |                                     | 1                                       | 1         | 2       | 2        | 3        | 4        | 4        | 3       | 3                          | 1                           | 2                                |       |       |
| Sample Date             |                                     | 2/4/20                                  | 2/4/20    | 5/7/20  | 5/7/20   | 8/6/20   | 10/29/20 | 10/29/20 | 7/28/20 | 7/28/20                    | 2/5/20                      | 5/7/20                           |       |       |
| Static Water Level (ft) |                                     | 68.80                                   | -         | 65.46   | -        | 71.34    | 69.92    | -        | -       | -                          | 70.31                       | 66.82                            |       |       |
| Sample Depth (ft)       |                                     | 71                                      | -         | 70      | -        | 73       | 71       | -        | -       | -                          | 72                          | 68                               |       |       |
| Conductivity (µS/cm)    |                                     | 337.80                                  | -         | 378.80  | -        | 316.30   | 335.40   | -        | 229.30  | 198.30                     | 206.60                      | 211.30                           |       |       |
| Water Temperature (C°)  |                                     | 9.80                                    | -         | 10.40   | -        | 11.10    | 11.70    | -        | 11.90   | 11.70                      | 13.10                       | 13.90                            |       |       |
| pH                      |                                     | 8.00                                    | -         | 7.85    | -        | 7.43     | 7.50     | -        | 7.89    | 7.98                       | 8.19                        | 7.85                             |       |       |
| Analytes                | Washington Drinking Water Standards |   |           |         |          |          |          |          |         |                            |                             |                                  |       |       |
|                         | MCL <sup>1</sup>                    | Trigger Level <sup>2</sup>              | Secondary |         |          |          |          |          |         |                            |                             |                                  |       |       |
| Phosphorus              | -                                   | -                                       | -         | 0.003   | 0.004    | 0.005    | 0.005    | 0.006    | <0.002  | <0.002                     | 0.003                       | 0.003                            | 0.008 | 0.007 |
| SRP <sup>3</sup>        | -                                   | -                                       | -         | <0.001  | <0.001   | <0.001   | <0.001   | <0.001   | <0.001  | <0.001                     | 0.003                       | 0.003                            | 0.007 | 0.006 |
| Nitrate+Nitrite         | 10                                  | 5                                       | -         | 1.440   | 1.410    | 1.800    | 1.790    | 1.610    | 1.490   | 1.470                      | 1.320                       | 1.080                            | 1.130 | 1.010 |
| Arsenic                 | 0.01                                | 0.005                                   | -         | -       | -        | 0.00199  | 0.00199  | 0.00202  | -       | -                          | 0.00298                     | 0.00347                          | -     | -     |
| Lead <sup>4</sup>       | 0.015                               | -                                       | -         | -       | -        | <0.0010  | <0.0010  | <0.0010  | -       | -                          | <0.0010                     | <0.0010                          | -     | -     |
| Copper <sup>4</sup>     | 1.3                                 | -                                       | -         | -       | -        | <0.00100 | <0.00100 | <0.00100 | -       | -                          | <0.00100                    | <0.00100                         | -     | -     |
| Mercury                 | 0.002                               | 0.0004                                  | -         | -       | -        | <0.00020 | <0.00020 | <0.00020 | -       | -                          | <0.00020                    | <0.00020                         | -     | -     |
| Cadmium                 | 0.005                               | 0.005                                   | -         | -       | -        | <0.0002  | <0.0002  | <0.0002  | -       | -                          | <0.0002                     | <0.0002                          | -     | -     |
| Chromium                | 0.1                                 | 0.02                                    | -         | -       | -        | -        | -        | <0.0015  | -       | -                          | <0.0015                     | <0.0015                          | -     | -     |
| Fluoride                | 4                                   | 0.5                                     | 2         | -       | -        | -        | -        | <0.10    | -       | -                          | <0.10                       | <0.10                            | -     | -     |
| Chloride                | -                                   | 250                                     | 250       | 2.72    | 2.73     | 2.86     | 2.85     | 2.76     | 2.92    | 2.91                       | 4.49                        | 4.01                             | 7.33  | 5.77  |
| Sodium                  | -                                   | -                                       | -         | -       | -        | -        | -        | 3.27     | -       | -                          | 3.05                        | 2.81                             | -     | -     |
| Zinc                    | -                                   | 5                                       | 5         | -       | -        | <0.005   | <0.005   | <0.005   | -       | -                          | <0.005                      | <0.005                           | -     | -     |
| Magnesium               | -                                   | -                                       | -         | -       | -        | -        | -        | 18.90    | -       | -                          | 12.40                       | 10.40                            | -     | -     |
| Potassium               | -                                   | -                                       | -         | -       | -        | -        | -        | 2.12     | -       | -                          | 1.82                        | 1.62                             | -     | -     |
| Manganese               | -                                   | 0.05                                    | 0.05      | -       | -        | -        | -        | <0.001   | -       | -                          | <0.001                      | <0.001                           | -     | -     |
| Calcium                 | -                                   | -                                       | -         | -       | -        | -        | -        | 41.70    | -       | -                          | 30.40                       | 25.50                            | -     | -     |
| Bromide                 | -                                   | -                                       | -         | <0.10   | <0.10    | <0.10    | <0.10    | <0.10    | <0.10   | <0.10                      | <0.10                       | <0.10                            | <0.10 | <0.10 |

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

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3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2020 Quarterly Results

| Well Name               |                                     | New Balfour Park monitoring well |           | Holy Cross, Rhoades & Washington monitoring well | Franklin Park, City monitoring well | East Valley High School monitoring well |          |         |          | ORCHARD AVE IRRIG DIST, Site 1 |         |         |          |          |
|-------------------------|-------------------------------------|----------------------------------|-----------|--|-------------------------------------|---|----------|---------|----------|--------------------------------|---------|---------|----------|----------|
| WQMP Well ID            |                                     | 5417R02                          |           | 6330J01  | 6331J01                             | 6436N01                                 |          |         |          | 5312H01                        |         |         |          |          |
| SampleID/Comment        |                                     | 5417R02                          | 5417R02   | 6330J01  | 6331J01                             | 6436N01                                 | 6436N01  | 6436N01 | 6436N01  | 5312H01                        | 5312H01 | 5312H01 |          |          |
| Quarter                 |                                     | 3                                | 4         | 3  | 3                                   | 1                                       | 2        | 3       | 4        | 1                              | 2       | 3       |          |          |
| Sample Date             |                                     | 8/7/20                           | 10/29/20  | 8/4/20   | 8/4/20                              | 2/4/20                                  | 5/5/20   | 8/7/20  | 10/29/20 | 1/21/20                        | 4/21/20 | 7/28/20 |          |          |
| Static Water Level (ft) |                                     | 72.37                            | 72.27     | 210.24   | 206.31                              | 114.20                                  | 110.62   | 117.77  | 116.02   | -                              | -       | -       |          |          |
| Sample Depth (ft)       |                                     | 74                               | 74        | 212  | 208.5                               | 116                                     | 112      | 119     | 117      | -                              | -       | -       |          |          |
| Conductivity (µS/cm)    |                                     | 178.70                           | 205.00    | 232.70   | 229.90                              | 582.40                                  | 531.60   | 495.10  | 602.10   | 264.00                         | 304.40  | 292.90  |          |          |
| Water Temperature (C°)  |                                     | 14.70                            | 14.60     | 15.60  | 13.90                               | 12.90                                   | 14.30    | 14.10   | 13.80    | 10.50                          | 10.40   | 10.90   |          |          |
| pH                      |                                     | 7.97                             | 7.50      | 7.86   | 8.02                                | 7.86                                    | 7.35     | 7.33    | 7.15     | 8.17                           | 8.06    | 7.74    |          |          |
| Analytes                | Washington Drinking Water Standards |                                  |           |  |                                     |   |          |         |          |                                |         |         |          |          |
|                         | MCL <sup>1</sup>                    | Trigger Level <sup>2</sup>       | Secondary |  |                                     |   |          |         |          |                                |         |         |          |          |
| Phosphorus              | -                                   | -                                | -         | 0.009  | 0.025                               | 0.005                                   | 0.006    | 0.034   | 0.042    | 0.056                          | 0.043   | 0.014   | 0.017    | 0.013    |
| SRP <sup>3</sup>        | -                                   | -                                | -         | 0.007  | <0.001                              | 0.002                                   | 0.002    | 0.033   | 0.039    | 0.042                          | 0.041   | 0.014   | 0.014    | 0.011    |
| Nitrate+Nitrite         | 10                                  | 5                                | -         | 0.790  | 0.840                               | 1.010                                   | 0.990    | 3.160   | 4.990    | 4.650                          | 3.880   | 1.760   | 2.010    | 2.240    |
| Arsenic                 | 0.01                                | 0.005                            | -         | 0.00272  | -                                   | 0.00337                                 | 0.00394  | -       | -        | 0.00277                        | -       | -       | 0.00498  | 0.00490  |
| Lead <sup>4</sup>       | 0.015                               | -                                | -         | <0.0010  | -                                   | <0.0010                                 | <0.0010  | -       | -        | <0.0010                        | -       | -       | <0.0010  | <0.0010  |
| Copper <sup>4</sup>     | 1.3                                 | -                                | -         | <0.00100   | -                                   | <0.00100                                | <0.00100 | -       | -        | 0.00120                        | -       | -       | <0.00100 | <0.00100 |
| Mercury                 | 0.002                               | 0.0004                           | -         | <0.00020   | -                                   | <0.00020                                | <0.00020 | -       | -        | <0.00020                       | -       | -       | <0.00020 | <0.00020 |
| Cadmium                 | 0.005                               | 0.005                            | -         | <0.0002  | -                                   | <0.0002                                 | <0.0002  | -       | -        | <0.0002                        | -       | -       | <0.0002  | <0.0002  |
| Chromium                | 0.1                                 | 0.02                             | -         | 0.0020   | -                                   | <0.0015                                 | 0.0030   | -       | -        | 0.0089                         | -       | -       | -        | <0.0015  |
| Fluoride                | 4                                   | 0.5                              | 2         | <0.10  | -                                   | <0.10                                   | <0.10    | -       | -        | <0.10                          | -       | -       | -        | <0.10    |
| Chloride                | -                                   | 250                              | 250       | 5.58   | 6.54                                | 4.76                                    | 7.61     | 28.40   | 16.90    | 7.18                           | 28.50   | 5.29    | 6.63     | 6.84     |
| Sodium                  | -                                   | -                                | -         | 2.93   | -                                   | 3.65                                    | 3.26     | -       | -        | 10.20                          | -       | -       | -        | 4.68     |
| Zinc                    | -                                   | 5                                | 5         | <0.005   | -                                   | <0.005                                  | <0.005   | -       | -        | <0.005                         | -       | -       | 0.009    | 0.015    |
| Magnesium               | -                                   | -                                | -         | 8.02   | -                                   | 15.10                                   | 13.70    | -       | -        | 27.70                          | -       | -       | -        | 14.10    |
| Potassium               | -                                   | -                                | -         | 1.50   | -                                   | 1.89                                    | 1.79     | -       | -        | 3.98                           | -       | -       | -        | 2.20     |
| Manganese               | -                                   | 0.05                             | 0.05      | 0.002  | -                                   | <0.001                                  | 0.002    | -       | -        | 0.012                          | -       | -       | -        | <0.001   |
| Calcium                 | -                                   | -                                | -         | 25.60  | -                                   | 27.60                                   | 27.90    | -       | -        | 66.60                          | -       | -       | -        | 40.50    |
| Bromide                 | -                                   | -                                | -         | <0.10  | <0.10                               | <0.10                                   | <0.10    | <0.10   | <0.10    | <0.10                          | <0.10   | <0.10   | <0.10    | <0.10    |

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

Results above the trigger level are in **red**.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.



Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2020 Quarterly Results

| Well Name               |                                     | ORCHARD AVE IRRIG DIST, Site 1 |           | Spokane Co Water Dist #3, Site 2-5, 26th & Vercler |          |         |          |         |          |          |          | WHITWORTH WATER DIST. #2, Well 2A |          |
|-------------------------|-------------------------------------|--------------------------------|-----------|--|----------|---------|----------|---------|----------|----------|----------|-----------------------------------|----------|
| WQMP Well ID            |                                     | 5312H01                        |           | 5427L01  |          |         |          |         |          |          |          | 6320D01                           |          |
| SampleID/Comment        |                                     | 5312H01                        |           | 5427L01  | 5427L01a | 5427L01 | 5427L01a | 5427L01 | 5427L01a | 5427L01  | 5427L01a | 6320D01                           |          |
| Quarter                 |                                     | 4                              |           | 1  | 1        | 2       | 2        | 3       | 3        | 4        | 4        | 3                                 |          |
| Sample Date             |                                     | 10/27/20                       |           | 1/21/20  | 1/21/20  | 4/21/20 | 4/21/20  | 7/28/20 | 7/28/20  | 10/27/20 | 10/27/20 | 8/4/20                            |          |
| Static Water Level (ft) |                                     | -                              |           | -  | -        | -       | -        | -       | -        | -        | -        | -                                 |          |
| Sample Depth (ft)       |                                     | -                              |           | -  | -        | -       | -        | -       | -        | -        | -        | -                                 |          |
| Conductivity (µS/cm)    |                                     | 269.00                         |           | 357.20   | -        | 381.6   | -        | 365.40  | -        | 376.90   | -        | 253.20                            |          |
| Water Temperature (C°)  |                                     | 10.40                          |           | 11.5   | -        | 12.1    | -        | 12.80   | -        | 11.60    | -        | 14.50                             |          |
| pH                      |                                     | 7.95                           |           | 8.02   | -        | 7.94    | -        | 7.70    | -        | 7.79     | -        | 8.07                              |          |
| Analytes                | Washington Drinking Water Standards |                                |           |  |          |         |          |         |          |          |          |                                   |          |
|                         | MCL <sup>1</sup>                    | Trigger Level <sup>2</sup>     | Secondary |  |          |         |          |         |          |          |          |                                   |          |
| Phosphorus              | -                                   | -                              | -         | 0.012  | 0.007    | 0.007   | 0.008    | 0.007   | 0.007    | 0.006    | 0.005    | 0.005                             | 0.004    |
| SRP <sup>3</sup>        | -                                   | -                              | -         | 0.011  | 0.006    | 0.005   | 0.005    | 0.005   | 0.004    | 0.004    | 0.004    | 0.004                             | 0.001    |
| Nitrate+Nitrite         | 10                                  | 5                              | -         | 1.400  | 2.440    | 2.460   | 2.360    | 2.340   | 2.430    | 2.480    | 2.150    | 2.150                             | 1.570    |
| Arsenic                 | 0.01                                | 0.005                          | -         | -  | -        | -       | -        | -       | 0.00414  | 0.00412  | -        | -                                 | 0.00313  |
| Lead <sup>4</sup>       | 0.015                               | -                              | -         | -  | -        | -       | -        | -       | <0.0010  | <0.0010  | -        | -                                 | <0.0010  |
| Copper <sup>4</sup>     | 1.3                                 | -                              | -         | -  | -        | -       | -        | -       | 0.00220  | 0.00210  | -        | -                                 | <0.00100 |
| Mercury                 | 0.002                               | 0.0004                         | -         | -  | -        | -       | -        | -       | <0.00020 | <0.00020 | -        | -                                 | <0.00020 |
| Cadmium                 | 0.005                               | 0.005                          | -         | -  | -        | -       | -        | -       | <0.0002  | <0.0002  | -        | -                                 | <0.0002  |
| Chromium                | 0.1                                 | 0.02                           | -         | -  | -        | -       | -        | -       | <0.0015  | <0.0015  | -        | -                                 | <0.0015  |
| Fluoride                | 4                                   | 0.5                            | 2         | -  | -        | -       | -        | -       | <0.10    | <0.10    | -        | -                                 | <0.10    |
| Chloride                | -                                   | 250                            | 250       | 5.33   | 11.10    | 11.10   | 10.80    | 10.20   | 11.10    | 10.70    | 11.40    | 11.40                             | 8.19     |
| Sodium                  | -                                   | -                              | -         | -  | -        | -       | -        | -       | 6.93     | 7.00     | -        | -                                 | 3.85     |
| Zinc                    | -                                   | 5                              | 5         | -  | -        | -       | -        | -       | <0.005   | <0.005   | -        | -                                 | <0.005   |
| Magnesium               | -                                   | -                              | -         | -  | -        | -       | -        | -       | 17.90    | 18.00    | -        | -                                 | 16.40    |
| Potassium               | -                                   | -                              | -         | -  | -        | -       | -        | -       | 2.75     | 2.78     | -        | -                                 | 1.99     |
| Manganese               | -                                   | 0.05                           | 0.05      | -  | -        | -       | -        | -       | <0.001   | <0.001   | -        | -                                 | <0.001   |
| Calcium                 | -                                   | -                              | -         | -  | -        | -       | -        | -       | 50.20    | 50.60    | -        | -                                 | 30.60    |
| Bromide                 | -                                   | -                              | -         | <0.10  | <0.10    | <0.10   | <0.10    | <0.10   | <0.10    | <0.10    | <0.10    | <0.10                             | <0.10    |

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

Results above the trigger level are in **red**.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2020 Quarterly Results

| Well Name               |                                     | Fire Station Houston & Regal, No. Spokane WD |           |         |          |          | NORTH SPOKANE IRRIG. DIST. # 4, Site 4 |         | Idaho Road - East Farms monitoring well at CID11 |         |          |          |       |
|-------------------------|-------------------------------------|--|-----------|---------|----------|----------|--|---------|--|---------|----------|----------|-------|
| WQMP Well ID            |                                     | 6327N04                                      |           |         |          |          | 6328H01                                |         | 6631M07  |         |          |          |       |
| SampleID/Comment        |                                     | 6327N04                                      | 6327N04   | 6327N04 | 6327N04a | 6327N04  | 6328H01                                | 6631M07 | 6631M07  | 6631M07 | 6331M07  |          |       |
| Quarter                 |                                     | 1  | 2         | 3       | 3        | 4        | 3                                      | 1       | 2  | 3       | 4        |          |       |
| Sample Date             |                                     | 2/5/20                                       | 5/5/20    | 8/4/20  | 8/4/20   | 10/28/20 | 8/4/20                                 | 2/4/20  | 5/7/20   | 8/6/20  | 10/29/20 |          |       |
| Static Water Level (ft) |                                     | 188.72                                       | 186.32    | 187.52  | -        | 189.63   | -                                      | 114.49  | 112.72   | 115.55  | 114.44   |          |       |
| Sample Depth (ft)       |                                     | 190  | 187       | 189     | -        | 191      | -                                      | 116     | 114  | 117     | 116      |          |       |
| Conductivity (µS/cm)    |                                     | 370.1  | 407.60    | 443.10  | -        | 440.00   | 197.70                                 | 264.40  | 297.50   | 250.80  | 260.60   |          |       |
| Water Temperature (C°)  |                                     | 12.7   | 13.20     | 14.80   | -        | 12.10    | 12.00                                  | 13.90   | 14.10  | 15.00   | 14.60    |          |       |
| pH                      |                                     | 7.87   | 7.31      | 7.75    | -        | 7.55     | 7.94                                   | 8.18    | 8.23   | 8.08    | 7.83     |          |       |
| Analytes                | Washington Drinking Water Standards |  |           |         |          |          |  |         |  |         |          |          |       |
|                         | MCL <sup>1</sup>                    | Trigger Level <sup>2</sup>                   | Secondary |         |          |          |  |         |  |         |          |          |       |
| Phosphorus              | -                                   | -  | -         | 0.005   | 0.003    | 0.003    | 0.004                                  | <0.002  | 0.005  | 0.005   | 0.005    | 0.004    | 0.004 |
| SRP <sup>3</sup>        | -                                   | -  | -         | 0.002   | 0.002    | 0.002    | 0.002                                  | 0.001   | 0.003  | 0.003   | 0.003    | 0.003    | 0.004 |
| Nitrate+Nitrite         | 10                                  | 5  | -         | 2.880   | 2.860    | 3.860    | 3.640                                  | 3.790   | 0.940  | 1.360   | 1.740    | 1.700    | 1.480 |
| Arsenic                 | 0.01                                | 0.005  | -         | -       | -        | 0.00156  | 0.00150                                | -       | 0.00292  | -       | -        | 0.00499  | -     |
| Lead <sup>4</sup>       | 0.015                               | -  | -         | -       | -        | <0.0010  | <0.0010                                | -       | <0.0010  | -       | -        | <0.0010  | -     |
| Copper <sup>4</sup>     | 1.3                                 | -  | -         | -       | -        | <0.00100 | <0.00100                               | -       | 0.00140  | -       | -        | <0.00100 | -     |
| Mercury                 | 0.002                               | 0.0004                                       | -         | -       | -        | <0.00020 | <0.00020                               | -       | <0.00020   | -       | -        | <0.00020 | -     |
| Cadmium                 | 0.005                               | 0.005  | -         | -       | -        | <0.0002  | <0.0002                                | -       | <0.0002  | -       | -        | <0.0002  | -     |
| Chromium                | 0.1                                 | 0.02   | -         | -       | -        | <0.0015  | <0.0015                                | -       | <0.0015  | -       | -        | <0.0015  | -     |
| Fluoride                | 4                                   | 0.5  | 2         | -       | -        | <0.10    | <0.10                                  | -       | 0.12   | -       | -        | <0.10    | -     |
| Chloride                | -                                   | 250  | 250       | 11.40   | 9.86     | 22.20    | 22.30                                  | 19.50   | 3.73   | 5.52    | 5.44     | 5.37     | 5.63  |
| Sodium                  | -                                   | -  | -         | -       | -        | 13.80    | 13.60                                  | -       | 3.61   | -       | -        | 3.18     | -     |
| Zinc                    | -                                   | 5  | 5         | -       | -        | <0.005   | <0.005                                 | -       | <0.005   | -       | -        | <0.005   | -     |
| Magnesium               | -                                   | -  | -         | -       | -        | 30.90    | 30.40                                  | -       | 10.60  | -       | -        | 14.10    | -     |
| Potassium               | -                                   | -  | -         | -       | -        | 4.25     | 4.18                                   | -       | 1.83   | -       | -        | 2.13     | -     |
| Manganese               | -                                   | 0.05   | 0.05      | -       | -        | <0.001   | <0.001                                 | -       | <0.001   | -       | -        | <0.001   | -     |
| Calcium                 | -                                   | -  | -         | -       | -        | 44.70    | 43.90                                  | -       | 25.80  | -       | -        | 31.40    | -     |
| Bromide                 | -                                   | -  | -         | <0.10   | <0.10    | <0.10    | 0.11                                   | 0.13    | <0.10  | <0.10   | <0.10    | <0.10    | <0.10 |

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

Results above the trigger level are in **red**.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2020 Quarterly Results

| Well Name               |                                     | Idaho Road 300 ft south of pipeline, monitoring well |           |         |          | Idaho Road 1000 ft south of Trent, monitoring well |         |         |          |          | Orchard Ave Irrig Dist Site 2 |          |          |       |
|-------------------------|-------------------------------------|--|-----------|---------|----------|--|---------|---------|----------|----------|-------------------------------|----------|----------|-------|
| WQMP Well ID            |                                     | 6525R01  |           |         |          | 6524R01  |         |         |          |          | 5407C01                       |          |          |       |
| SampleID/Comment        |                                     | 6525R01  | 6525R01   | 6525R01 | 6525R01  | 6524R01  | 6524R01 | 6524R01 | 6524R01a | 6524R01  | 5407C01                       | 5407C01  |          |       |
| Quarter                 |                                     | 1  | 2         | 3       | 4        | 1  | 2       | 3       | 3        | 4        | 3                             | 4        |          |       |
| Sample Date             |                                     | 2/4/20   | 5/7/20    | 8/6/20  | 10/29/20 | 2/4/20   | 5/7/20  | 8/6/20  | 8/6/20   | 10/29/20 | 7/28/20                       | 10/27/20 |          |       |
| Static Water Level (ft) |                                     | 103.62   | 102.09    | 104.59  | 103.69   | 125.29   | 124.22  | 126.46  | -        | 125.71   | -                             | -        |          |       |
| Sample Depth (ft)       |                                     | 105  | 103       | 106     | 105      | 127  | 125     | 128     | -        | 127      | -                             | -        |          |       |
| Conductivity (µS/cm)    |                                     | 315.30   | 351.60    | 290.9   | 303.9    | 325.2  | 364.50  | 293.60  | -        | 301.40   | 295.70                        | 277.70   |          |       |
| Water Temperature (C°)  |                                     | 9.90   | 10.40     | 11.2    | 11.2     | 10.30  | 10.70   | 11.70   | -        | 11.20    | 22.30                         | 17.00    |          |       |
| pH                      |                                     | 8.09   | 8.02      | 7.86    | 7.64     | 8.01   | 7.85    | 7.86    | -        | 7.58     | 7.91                          | 8.16     |          |       |
| Analytes                | Washington Drinking Water Standards |  |           |         |          |  |         |         |          |          |                               |          |          |       |
|                         | MCL <sup>1</sup>                    | Trigger Level <sup>2</sup>                           | Secondary |         |          |  |         |         |          |          |                               |          |          |       |
| Phosphorus              | -                                   | -  | -         | 0.004   | <0.002   | 0.004  | 0.004   | 0.005   | 0.003    | 0.005    | 0.005                         | <0.002   | 0.008    | 0.009 |
| SRP <sup>3</sup>        | -                                   | -  | -         | 0.001   | 0.002    | 0.001  | 0.001   | 0.002   | 0.002    | 0.002    | 0.002                         | 0.002    | 0.006    | 0.007 |
| Nitrate+Nitrite         | 10                                  | 5  | -         | 1.130   | 1.340    | 1.100  | 0.949   | 2.300   | 2.770    | 1.940    | 2.080                         | 1.930    | 1.620    | 1.450 |
| Arsenic                 | 0.01                                | 0.005  | -         | -       | -        | 0.00221  | -       | -       | -        | 0.00286  | 0.00278                       | -        | 0.00265  | -     |
| Lead <sup>4</sup>       | 0.015                               | -  | -         | -       | -        | <0.0010  | -       | -       | -        | <0.0010  | <0.0010                       | -        | <0.0010  | -     |
| Copper <sup>4</sup>     | 1.3                                 | -  | -         | -       | -        | <0.00100   | -       | -       | -        | <0.00100 | <0.00100                      | -        | 0.00340  | -     |
| Mercury                 | 0.002                               | 0.0004   | -         | -       | -        | <0.00020   | -       | -       | -        | <0.00020 | <0.00020                      | -        | <0.00020 | -     |
| Cadmium                 | 0.005                               | 0.005  | -         | -       | -        | <0.0002  | -       | -       | -        | <0.0002  | <0.0002                       | -        | <0.0002  | -     |
| Chromium                | 0.1                                 | 0.02   | -         | -       | -        | <0.0015  | -       | -       | -        | <0.0015  | <0.0015                       | -        | <0.0015  | -     |
| Fluoride                | 4                                   | 0.5  | 2         | -       | -        | <0.10  | -       | -       | -        | <0.10    | <0.10                         | -        | <0.10    | -     |
| Chloride                | -                                   | 250  | 250       | 3.11    | 2.90     | 2.16   | 2.38    | 4.67    | 4.66     | 4.01     | 4.02                          | 4.37     | 7.52     | 5.55  |
| Sodium                  | -                                   | -  | -         | -       | -        | 3.22   | -       | -       | -        | 3.73     | 3.61                          | -        | 4.94     | -     |
| Zinc                    | -                                   | 5  | 5         | -       | -        | <0.005   | -       | -       | -        | <0.005   | <0.005                        | -        | 0.008    | -     |
| Magnesium               | -                                   | -  | -         | -       | -        | 18.10  | -       | -       | -        | 16.60    | 16.00                         | -        | 14.80    | -     |
| Potassium               | -                                   | -  | -         | -       | -        | 1.96   | -       | -       | -        | 2.21     | 2.15                          | -        | 2.21     | -     |
| Manganese               | -                                   | 0.05   | 0.05      | -       | -        | <0.001   | -       | -       | -        | <0.001   | <0.001                        | -        | <0.001   | -     |
| Calcium                 | -                                   | -  | -         | -       | -        | 36.50  | -       | -       | -        | 41.40    | 40.20                         | -        | 39.40    | -     |
| Bromide                 | -                                   | -  | -         | <0.10   | <0.10    | <0.10  | <0.10   | <0.10   | <0.10    | <0.10    | <0.10                         | <0.10    | <0.10    | <0.10 |

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

Results above the trigger level are in **red**.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2020 Quarterly Results

| Well Name               |                                     | Mission Well,<br>LIBERTY<br>LAKE<br>SEWER DIST | PASADENA PARK #2 |          |         |          |          | CONSOLIDATED<br>IRRIG DIST 19,<br>Site 2A | CONSOLIDATED<br>IRRIG DIST 19,<br>Site 11B | SPOKANE FISH HATCHERY,<br>GRIFFITH SPR |          |       |          |
|-------------------------|-------------------------------------|--|------------------|----------|---------|----------|----------|---|--|--|----------|-------|----------|
| WQMP Well ID            |                                     | 5515C01  | 5405K01          |          |         |          |          | 5518R01                                   | 6631M04                                    | 6211J01s                               |          |       |          |
| SampleID/Comment        |                                     | 5515C01  | 5405K01          | 5405K01  | 5405K01 | 5405K01  | 5518R01  | 6631M04                                   | 6211J01s                                   | 6211J01S                               | 6211J01S |       |          |
| Quarter                 |                                     | 3  | 1                | 2        | 3       | 4        | 3        | 3   | 1  | 2                                      | 3        |       |          |
| Sample Date             |                                     | 7/28/20  | 1/21/20          | 4/21/20  | 7/28/20 | 10/27/20 | 7/28/20  | 8/6/20                                    | 1/21/20                                    | 4/21/20                                | 8/4/20   |       |          |
| Static Water Level (ft) |                                     | -  | -                | -        | -       | -        | -        | -   | -  | -                                      | -        |       |          |
| Sample Depth (ft)       |                                     | -  | -                | -        | -       | -        | -        | -   | -  | -                                      | -        |       |          |
| Conductivity (µS/cm)    |                                     | 281.00   | 193.40           | 196.50   | 176.80  | 194.40   | 140.60   | 232.70                                    | 305.60                                     | 327.30                                 | 302.90   |       |          |
| Water Temperature (C°)  |                                     | 12.40  | 11.00            | 10.20    | 10.30   | 11.00    | 14.00    | 13.10                                     | 11.10                                      | 11.30                                  | 12.50    |       |          |
| pH                      |                                     | 7.71   | 8.03             | 8.14     | 7.76    | 8.03     | 8.13     | 7.80                                      | 8.21                                       | 8.19                                   | 7.99     |       |          |
| Analytes                | Washington Drinking Water Standards |  |                  |          |         |          |          |   |  |  |          |       |          |
|                         | MCL <sup>1</sup>                    | Trigger Level <sup>2</sup>                     | Secondary        |          |         |          |          |   |  |  |          |       |          |
| Phosphorus              | -                                   | -  | -                | 0.010    | 0.008   | 0.007    | 0.006    | 0.006                                     | 0.004                                      | 0.005                                  | 0.006    | 0.006 | 0.007    |
| SRP <sup>3</sup>        | -                                   | -  | -                | 0.008    | 0.007   | 0.007    | 0.005    | 0.004                                     | <0.001                                     | 0.003                                  | 0.004    | 0.005 | 0.004    |
| Nitrate+Nitrite         | 10                                  | 5  | -                | 1.480    | 1.840   | 1.320    | 1.300    | 0.874                                     | 0.680                                      | 1.340                                  | 1.920    | 1.810 | 1.760    |
| Arsenic                 | 0.01                                | 0.005  | -                | 0.00310  | -       | -        | 0.00145  | -   | 0.00135                                    | 0.00541                                | -        | -     | 0.00302  |
| Lead <sup>4</sup>       | 0.015                               | -  | -                | <0.0010  | -       | -        | <0.0010  | -   | <0.0010                                    | <0.0010                                | -        | -     | <0.0010  |
| Copper <sup>4</sup>     | 1.3                                 | -  | -                | <0.00100 | -       | -        | <0.00100 | -   | 0.00110                                    | 0.00240                                | -        | -     | <0.00100 |
| Mercury                 | 0.002                               | 0.0004   | -                | <0.00020 | -       | -        | <0.00020 | -   | <0.00020                                   | <0.00020                               | -        | -     | <0.00020 |
| Cadmium                 | 0.005                               | 0.005  | -                | <0.0002  | -       | -        | <0.0002  | -   | <0.0002                                    | <0.0002                                | -        | -     | <0.0002  |
| Chromium                | 0.1                                 | 0.02   | -                | <0.0015  | -       | -        | <0.0015  | -   | <0.0015                                    | <0.0015                                | -        | -     | <0.0015  |
| Fluoride                | 4                                   | 0.5  | 2                | <0.10    | -       | -        | <0.10    | -   | <0.10                                      | <0.10                                  | -        | -     | <0.10    |
| Chloride                | -                                   | 250  | 250              | 6.01     | 5.08    | 4.52     | 4.53     | 3.50                                      | 5.01                                       | 5.12                                   | 10.50    | 10.90 | 11.70    |
| Sodium                  | -                                   | -  | -                | 5.33     | -       | -        | 3.75     | -   | 2.69                                       | 3.03                                   | -        | -     | 4.88     |
| Zinc                    | -                                   | 5  | 5                | <0.005   | -       | -        | <0.005   | -   | <0.005                                     | <0.005                                 | -        | -     | <0.005   |
| Magnesium               | -                                   | -  | -                | 13.10    | -       | -        | 7.54     | -   | 5.41                                       | 13.00                                  | -        | -     | 19.50    |
| Potassium               | -                                   | -  | -                | 2.18     | -       | -        | 2.04     | -   | 1.24                                       | 1.98                                   | -        | -     | 2.42     |
| Manganese               | -                                   | 0.05   | 0.05             | <0.001   | -       | -        | <0.001   | -   | <0.001                                     | <0.001                                 | -        | -     | <0.001   |
| Calcium                 | -                                   | -  | -                | 39.00    | -       | -        | 23.50    | -   | 21.00                                      | 28.30                                  | -        | -     | 35.40    |
| Bromide                 | -                                   | -  | -                | <0.10    | <0.10   | <0.10    | <0.10    | <0.10                                     | <0.10                                      | <0.10                                  | <0.10    | <0.10 | <0.10    |

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

Results above the trigger level are in red.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2020 Quarterly Results

| Well Name               |                                     | SPOKANE FISH HATCHERY, GRIFFITH SPR | Spokane Fish Hatchery well | Sullivan Spring | Three Springs |          |          |          | Waikiki Springs |          |          |       |          |
|-------------------------|-------------------------------------|-------------------------------------|----------------------------|-----------------|---------------|----------|----------|----------|-----------------|----------|----------|-------|----------|
| WQMP Well ID            |                                     | 6211J01s                            | 6211K01                    | 5411R05s        | 5212F01s      |          |          |          | 6306P01s        |          |          |       |          |
| SampleID/Comment        |                                     | 6211J01s                            | 6211K01                    | 5411R05S        | 5212F01S      | 5212F01S | 5212F01S | 5212F01s | 6306P01s        | 6306P01s | 6306P01s |       |          |
| Quarter                 |                                     | 4                                   | 3                          | 3               | 1             | 2        | 3        | 4        | 1               | 2        | 3        |       |          |
| Sample Date             |                                     | 10/27/20                            | 8/4/20                     | 8/7/20          | 2/5/20        | 4/21/20  | 8/3/20   | 10/27/20 | 1/21/20         | 4/21/20  | 8/4/20   |       |          |
| Static Water Level (ft) |                                     | -                                   | -                          | -               | -             | -        | -        | -        | -               | -        | -        |       |          |
| Sample Depth (ft)       |                                     | -                                   | -                          | -               | -             | -        | -        | -        | -               | -        | -        |       |          |
| Conductivity (µS/cm)    |                                     | 324.90                              | 277.70                     | 211.40          | 319.6         | 301.4    | 285.10   | 333.90   | 334.00          | 423.90   | 373.10   |       |          |
| Water Temperature (C°)  |                                     | 11.20                               | 13.30                      | 12.60           | 11.3          | 11.7     | 12.30    | 11.40    | 10.70           | 10.90    | 11.10    |       |          |
| pH                      |                                     | 7.90                                | 8.05                       | 7.84            | 8.12          | 8.15     | 7.95     | 7.96     | 8.08            | 8.15     | 7.93     |       |          |
| Analytes                | Washington Drinking Water Standards |                                     |                            |                 |               |          |          |          |                 |          |          |       |          |
|                         | MCL <sup>1</sup>                    | Trigger Level <sup>2</sup>          | Secondary                  |                 |               |          |          |          |                 |          |          |       |          |
| Phosphorus              | -                                   | -                                   | -                          | 0.004           | 0.005         | 0.005    | 0.006    | 0.006    | 0.009           | 0.004    | 0.005    | 0.004 | 0.003    |
| SRP <sup>3</sup>        | -                                   | -                                   | -                          | 0.004           | 0.004         | 0.002    | 0.004    | 0.005    | 0.004           | 0.003    | 0.002    | 0.004 | 0.002    |
| Nitrate+Nitrite         | 10                                  | 5                                   | -                          | 1.570           | 1.510         | 0.850    | 2.450    | 2.010    | 1.860           | 2.430    | 3.570    | 3.230 | 3.430    |
| Arsenic                 | 0.01                                | 0.005                               | -                          | -               | 0.00348       | 0.00317  | -        | -        | 0.00328         | -        | -        | -     | 0.00222  |
| Lead <sup>4</sup>       | 0.015                               | -                                   | -                          | -               | <0.0010       | <0.0010  | -        | -        | <0.0010         | -        | -        | -     | <0.0010  |
| Copper <sup>4</sup>     | 1.3                                 | -                                   | -                          | -               | 0.00420       | <0.00100 | -        | -        | <0.00100        | -        | -        | -     | <0.00100 |
| Mercury                 | 0.002                               | 0.0004                              | -                          | -               | 0.0002        | <0.00020 | -        | -        | <0.00020        | -        | -        | -     | <0.00020 |
| Cadmium                 | 0.005                               | 0.005                               | -                          | -               | 0.0002        | <0.0002  | -        | -        | <0.0002         | -        | -        | -     | <0.0002  |
| Chromium                | 0.1                                 | 0.02                                | -                          | -               | 0.0015        | <0.0015  | -        | -        | <0.0015         | -        | -        | -     | <0.0015  |
| Fluoride                | 4                                   | 0.5                                 | 2                          | -               | 0.10          | <0.10    | -        | -        | <0.10           | -        | -        | -     | <0.10    |
| Chloride                | -                                   | 250                                 | 250                        | 11.40           | 9.12          | 2.87     | 12.90    | 13.10    | 16.00           | 16.60    | 15.10    | 19.00 | 16.30    |
| Sodium                  | -                                   | -                                   | -                          | -               | 4.29          | 2.87     | -        | -        | 6.32            | -        | -        | -     | 7.11     |
| Zinc                    | -                                   | 5                                   | 5                          | -               | 0.012         | <0.005   | -        | -        | <0.005          | -        | -        | -     | <0.005   |
| Magnesium               | -                                   | -                                   | -                          | -               | 18.10         | 11.60    | -        | -        | 13.30           | -        | -        | -     | 24.50    |
| Potassium               | -                                   | -                                   | -                          | -               | 2.24          | 1.77     | -        | -        | 2.19            | -        | -        | -     | 2.73     |
| Manganese               | -                                   | 0.05                                | 0.05                       | -               | <0.001        | 0.004    | -        | -        | <0.001          | -        | -        | -     | <0.001   |
| Calcium                 | -                                   | -                                   | -                          | -               | 32.70         | 26.30    | -        | -        | 37.10           | -        | -        | -     | 38.30    |
| Bromide                 | -                                   | -                                   | -                          | <0.10           | <0.10         | <0.10    | <0.10    | <0.10    | <0.10           | <0.10    | <0.10    | <0.10 | <0.10    |

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

Results above the trigger level are in red.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2020 Quarterly Results

| Well Name               |                                     | Waikiki Springs            | Waikiki Springs-new location |           |           |           |           | Blank  |        |          |          |        |
|-------------------------|-------------------------------------|----------------------------|------------------------------|-----------|-----------|-----------|-----------|--------|--------|----------|----------|--------|
| WQMP Well ID            |                                     | 6306P01s                   | 6306P01s2                    |           |           |           |           | Blank  |        |          |          |        |
| SampleID/Comment        |                                     | 6306P01s                   | 6306P01s2                    | 6306P01s2 | 6306P01s2 | 6306P01s2 | 6306P01s2 | BLANK  | BLANK  | BLANK    | BLANK    |        |
| Quarter                 |                                     | 4                          | 1                            | 2         | 3         | 4         | 1         | 2      | 3      | 4        |          |        |
| Sample Date             |                                     | 10/27/20                   | 1/21/20                      | 4/21/20   | 8/4/20    | 10/27/20  | 2/5/20    | 5/7/20 | 8/4/20 | 10/28/20 |          |        |
| Static Water Level (ft) |                                     | -                          | -                            | -         | -         | -         | -         | -      | -      | -        |          |        |
| Sample Depth (ft)       |                                     | -                          | -                            | -         | -         | -         | -         | -      | -      | -        |          |        |
| Conductivity (µS/cm)    |                                     | 344.70                     | 293.50                       | 317.90    | 296.80    | 320.80    | -         | -      | -      | -        |          |        |
| Water Temperature (C°)  |                                     | 10.70                      | 10.30                        | 11.00     | 11.30     | 10.60     | -         | -      | -      | -        |          |        |
| pH                      |                                     | 7.95                       | 8.31                         | 8.29      | 8.08      | 7.95      | -         | -      | -      | -        |          |        |
| Analytes                | Washington Drinking Water Standards |                            |                              |           |           |           |           |        |        |          |          |        |
|                         | MCL <sup>1</sup>                    | Trigger Level <sup>2</sup> | Secondary                    |           |           |           |           |        |        |          |          |        |
| Phosphorus              | -                                   | -                          | -                            | 0.003     | 0.005     | 0.006     | 0.003     | 0.003  | <0.002 | <0.002   | <0.002   | <0.002 |
| SRP <sup>3</sup>        | -                                   | -                          | -                            | 0.002     | 0.002     | 0.006     | 0.002     | <0.001 | <0.001 | <0.001   | <0.001   | <0.001 |
| Nitrate+Nitrite         | 10                                  | 5                          | -                            | 3.220     | 2.120     | 2.080     | 2.180     | 2.050  | <0.05  | <0.05    | <0.05    | <0.05  |
| Arsenic                 | 0.01                                | 0.005                      | -                            | -         | -         | -         | 0.00254   | -      | -      | <0.00100 | <0.00100 | -      |
| Lead <sup>4</sup>       | 0.015                               | -                          | -                            | -         | -         | -         | <0.0010   | -      | -      | <0.0010  | <0.0010  | -      |
| Copper <sup>4</sup>     | 1.3                                 | -                          | -                            | -         | -         | -         | <0.00100  | -      | -      | <0.00100 | <0.00100 | -      |
| Mercury                 | 0.002                               | 0.0004                     | -                            | -         | -         | -         | <0.00020  | -      | -      | <0.00020 | <0.00020 | -      |
| Cadmium                 | 0.005                               | 0.005                      | -                            | -         | -         | -         | <0.0002   | -      | -      | <0.0002  | <0.0002  | -      |
| Chromium                | 0.1                                 | 0.02                       | -                            | -         | -         | -         | <0.0015   | -      | -      | -        | <0.0015  | -      |
| Fluoride                | 4                                   | 0.5                        | 2                            | -         | -         | -         | <0.10     | -      | -      | -        | <0.10    | -      |
| Chloride                | -                                   | 250                        | 250                          | 17.40     | 7.66      | 9.54      | 9.23      | 9.23   | <0.2   | <0.2     | <0.2     | <0.2   |
| Sodium                  | -                                   | -                          | -                            | -         | -         | -         | 4.77      | -      | -      | -        | 0.50     | -      |
| Zinc                    | -                                   | 5                          | 5                            | -         | -         | -         | <0.005    | -      | -      | <0.005   | <0.005   | -      |
| Magnesium               | -                                   | -                          | -                            | -         | -         | -         | 20.60     | -      | -      | -        | <0.5     | -      |
| Potassium               | -                                   | -                          | -                            | -         | -         | -         | 2.47      | -      | -      | -        | <0.5     | -      |
| Manganese               | -                                   | 0.05                       | 0.05                         | -         | -         | -         | 0.002     | -      | -      | -        | <0.001   | -      |
| Calcium                 | -                                   | -                          | -                            | -         | -         | -         | 33.70     | -      | -      | -        | <0.1     | -      |
| Bromide                 | -                                   | -                          | -                            | <0.10     | <0.10     | <0.10     | <0.10     | <0.10  | -      | -        | <0.1     | -      |

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

Results above the trigger level are in **red**.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2020 Quarterly Results

| Well Name               |                                     |                            |           | Equipment Blank |             |             |             |
|-------------------------|-------------------------------------|----------------------------|-----------|-----------------|-------------|-------------|-------------|
| WQMP Well ID            |                                     |                            |           | Equipment Blank |             |             |             |
| SampleID/Comment        |                                     |                            |           | EQUIP BLANK     | EQUIP BLANK | EQUIP BLANK | EQUIP BLANK |
| Quarter                 |                                     |                            |           | 1               | 2           | 3           | 4           |
| Sample Date             |                                     |                            |           | 2/5/20          | 5/7/20      | 8/4/20      | 10/28/20    |
| Static Water Level (ft) |                                     |                            |           | -               | -           | -           | -           |
| Sample Depth (ft)       |                                     |                            |           | -               | -           | -           | -           |
| Conductivity (µS/cm)    |                                     |                            |           | -               | -           | -           | -           |
| Water Temperature (C°)  |                                     |                            |           | -               | -           | -           | -           |
| pH                      |                                     |                            |           | -               | -           | -           | -           |
| Analytes                | Washington Drinking Water Standards |                            |           |                 |             |             |             |
|                         | MCL <sup>1</sup>                    | Trigger Level <sup>2</sup> | Secondary |                 |             |             |             |
| Phosphorus              | -                                   | -                          | -         | <0.002          | <0.002      | <0.002      | <0.002      |
| SRP <sup>3</sup>        | -                                   | -                          | -         | <0.001          | <0.001      | <0.001      | <0.001      |
| Nitrate+Nitrite         | 10                                  | 5                          | -         | <0.05           | <0.05       | 0.958       | <0.05       |
| Arsenic                 | 0.01                                | 0.005                      | -         | -               | <0.00100    | <0.00100    | -           |
| Lead <sup>4</sup>       | 0.015                               | -                          | -         | -               | <0.0010     | <0.0010     | -           |
| Copper <sup>4</sup>     | 1.3                                 | -                          | -         | -               | <0.00100    | <0.00100    | -           |
| Mercury                 | 0.002                               | 0.0004                     | -         | -               | <0.00020    | <0.00020    | -           |
| Cadmium                 | 0.005                               | 0.005                      | -         | -               | <0.0002     | <0.0002     | -           |
| Chromium                | 0.1                                 | 0.02                       | -         | -               | -           | <0.0015     | -           |
| Fluoride                | 4                                   | 0.5                        | 2         | -               | -           | <0.10       | -           |
| Chloride                | -                                   | 250                        | 250       | <0.2            | <0.2        | <0.2        | <0.2        |
| Sodium                  | -                                   | -                          | -         | -               | -           | 0.50        | -           |
| Zinc                    | -                                   | 5                          | 5         | -               | <0.005      | <0.005      | -           |
| Magnesium               | -                                   | -                          | -         | -               | -           | <0.5        | -           |
| Potassium               | -                                   | -                          | -         | -               | -           | <0.5        | -           |
| Manganese               | -                                   | 0.05                       | 0.05      | -               | -           | <0.001      | -           |
| Calcium                 | -                                   | -                          | -         | -               | -           | <0.1        | -           |
| Bromide                 | -                                   | -                          | -         | -               | -           | <0.1        | -           |

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