



# Annual Water Quality Report for Stevens P.U.D.

April, 2018

## Water Quality Information for Echo Estates Water System (LUD 21)

Each well is assigned a number, i.e., S01, S05, or S10. The source of water for your water system is groundwater from TWO wells.

This Table lists only those substances that were detected during 2017.

| Substance in Units                 | Date of Sample                                                     | Well or Other Test Results                                                                           | SRL        | MCL      | Comply with Standards? | Likely Sources of Substances/Comments                                                                                                                                                                         |
|------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------|----------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nitrate (ppm)                      | 02/21/2017                                                         | S03 = 5.43*                                                                                          | 0.5        | 10       | Yes                    | Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.                                                                                                                  |
| Volatile Organic Chemicals (ppb)   | 02/21/2017<br>04/12/2017<br>06/28/2017<br>08/08/2017<br>10/10/2017 | S03=Non Detect<br>S03=Non Detect<br>S03=non Detect<br>S03=Non Detect<br>S03=Trichloroethylene = 0.58 | 0.5        | 5        | Yes                    | Almost 70 substances on VOCs are tested, which includes chemicals such a chloroform, vinyl, chloride, and styrene, etc. Only trichloroethylene was detected once during the year. All others were Non Detect. |
| Pesticides/Herbicides (ppb)        | 09/12/2017                                                         | S03 = Non Detect                                                                                     | 0.04 - 2.0 | 0 to 500 | Yes                    | 15 SOC substances were tested and all indicated that there is NO detection in the water.                                                                                                                      |
| Total Haloacetic Acid (HAA5) (ppm) | 09/12/2017                                                         | Non Detect                                                                                           | ---        | 60       | Yes                    | HAA5 is a disinfection by-product                                                                                                                                                                             |
| Total Trihalomethanes (TTHM) (ppm) | 09/12/2017                                                         | Non Detect                                                                                           | ---        | 80       | Yes                    | TTHM is a disinfection by-product.                                                                                                                                                                            |

\* Even though the nitrate level in your water system is below the MCL, the EPA requires the following language: Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant you should ask advice from your health care provider.

### Glossary of Terms

|                                                                                                                                                                                                                        |                                                                                                                                                                                 |                                                                                                                                                                           |                                                                                                                           |                                                                                               |
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| <p><b>MCL</b></p> <p>Maximum Contaminant Level – the “maximum allowed” is the highest level of a contaminant in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment.</p> | <p><b>ppb</b></p> <p>Parts per Billion (or micrograms per liter - ug/L) – one part per billion corresponds to one minute in 1,900 years, or a single penny in \$10,000,000.</p> | <p><b>ppm</b></p> <p>Parts per Million (or milligrams per liter - mg/L) – one part per million corresponds to one minute in 1.9 years, or a single penny in \$10,000.</p> | <p><b>SRL</b></p> <p>SRL = State Reporting Level. A lower amount set by Washington State for reporting purposes only.</p> | <p><b>pCi/L</b></p> <p>Picocuries per liter - is a measurement of radioactivity in water.</p> |
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