



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

April, 2018

## Water Quality Information for Halfmoon Ranchos Water System (LUD 19)

Each well is assigned a number, i.e., S01, S05, or S10. The source of water for your water system is groundwater from THREE 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)	02/22/2017	S04 = 7.89*	0.5	10	Yes	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
Lead (ppb)	08/11/2017	90th percentile = 1.64	1	15	Yes	5 samples take. Corrosion of household plumbing; erosion of natural deposits.
Copper (ppm)	08/11/2017	90th percentile = 0.08	0.2	1.3	Yes	5 samples take. Corrosion of household plumbing; erosion of natural deposits.
Total Haloacetic Acid (HAA5) (ppm)	08/09/2017	Non Detect	---	60	Yes	HAA5 is a disinfection by-product
Total Trihalomethanes (TTHM) (ppm)	08/09/2017	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

<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</p>	<p><b>pCi/L</b></p> <p>Picocuries per liter - is a measurement of radioactivity in water.</p>
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