



2023 Annual Water Quality Report for Stevens P.U.D.

Water Quality Information for: **LUD 9** Riverside, including Chattaroy Springs West/North

Each well is assigned a number, i.e.: S01, S05, or S10.

The source of water for your water system is groundwater from **FOUR** Wells.
This Table lists only those substances that were detected during 2022.

Substance in Units	Date of Sample	Well or Other Test Results	SRL	MCL	Comply with Standards?	Likely Sources of Substances/Comments
Iron	10/06/22	S10 = 0.0447	0.1	0.3	Yes	Erosion of natural deposits.
Sodium	10/06/22	S10 = 11	5		Yes	Erosion of natural deposits.
Barium	10/06/22	S10 = 0.0868	0.1	2	Yes	Erosion of natural deposits.
Fluoride	10/06/22	S10 = 0.122	0.2	4	Yes	Erosion of natural deposits.
Nitrate	10/06/22	S10 = 3.63	0.5	10	Yes	Erosion of natural deposits.
Chloride	10/06/22	S10 = 37.1	2	250	Yes	Erosion of natural deposits.
Sulfate	10/06/22	S10 = 13.5	2	250	Yes	Erosion of natural deposits.
Zinc	10/06/22	S10 = 0.0840	0.2	5	Yes	Erosion of natural deposits.
Hardness	10/06/22	S10 = 198	10		Yes	Erosion of natural deposits.
Conductivity	10/06/22	S10 = 478	70	700	Yes	Erosion of natural deposits.
Turbidity*	10/06/22	S10 = 0.818	0.1		Yes	Erosion of natural deposits.
TDS	10/06/22	S10 = 272	100		Yes	Erosion of natural deposits.
Copper (ppm)	10/06/22	S10 = 0.00110	0.2	1.3	Yes	Erosion of natural deposits.
Inorganic Chemicals (ppb)					Yes	29 IOC substances were tested. All were non-detect except for the items listed above.
Nitrate (ppm)	06/20/22 10/18/22	S02 = 3.85 S06 = 4.83	0.5	10	Yes	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.

NOTE: The Riverside and Chattaroy Springs Water Systems are now consolidated. The 4 wells being tested are west of the River. The wells on the east side of the river are used for emergency standby only. One of the 4 wells was recently drilled in 2015 and is connected to the water system.

Glossary of Terms - Definitions

MCL	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.
ppb	Parts per Billion (or micrograms per liter - ug/L) – one part per billion corresponds to one minute in 2,000 years or a single penny in \$10,000,000.
ppm	Parts per Million (or milligrams per liter – mg/L) - one part per million corresponds to one minute in two years (or a single penny in \$10,000).
SRL	SRL = State Reporting Level. A lower amount set by Washington State for reporting purposes only.
pG/L	Picocuries per liter- is a measure of radioactivity in water.
*Turbidity	Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of water quality. High turbidity can hinder the effectiveness of disinfectants.