



STEVENS
PUBLIC UTILITY DISTRICT

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

Water Quality Information for: LUD 4 Lake Spokane (Suncrest) Water System

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

The source of water for your water system is groundwater from **NINE** 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
Radium 228	08/15/22	S07 = 0.328 +- 0.31	1	5	Yes	Erosion of natural deposits.
Nitrate-N (ppm)	07/26/22	S10 = 1.91	0.5	10	Yes	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
	07/26/22	S04 = 2.13				
	08/01/22	S03 = 2.14				
	08/01/22	S08 = 2.27				
	08/25/22	S07 = 2.04				
	10/17/22	S12 = 1.28				
Total Coliform E. coli	08/01/22	16829 Wylie Dr. Fost Free = Present*	0		No	Fecal indicators are microbes whose presence indicates that the water may be contaminated with human or animal wastes. Human pathogens in these wastes can cause short-term health effects such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a special health risk for infants, young children, some of the elderly, and people with severely compromised immune systems.
Total Coliform E. coli	08/03/22	S07 Well Pumphouse - Hose Bib = Absent	0		Yes	
Total Coliform E. coli	08/03/22	16116 Sagewood Rd. - Sample Station = Absent	0		Yes	
Total Coliform E. coli	08/03/22	16829 Wylie Dr. Frost Free = Absent	0		Yes	
Total Coliform E. coli	08/03/22	16001 N Suncrest Dr. Frost Free = Absent	0		Yes	
Trihalomethane (ppm)	07/26/22	0.500	0	80	Yes	TTHM is a disinfection by-product.
Arsenic (ppb)	08/01/22	S03 = 0.00696	0.001	0.01	Yes	Natural deposits; runoff from orchards or glass & electronics production wastes.
	08/01/22	S08 = 0.00548				
Gross Alpha	08/15/22	S07 = 3.56 +- 1.03	3	15	Yes	Erosion of natural deposits.
Volatile Organic Chemicals (ppb)	08/15/22	S04 =Chloromethane 1.6	0.5		Yes	Almost 70 substances on VOCs are tested, including chemicals such as chloroform, vinyl chloride, and styrene, etc. Only chloroethane was detected this year. All others were non-detect.
Copper (ppm)	August '22	90th percentile = 0.0294	0.02	1.3	Yes	20 samples taken. Corrosion of household plumbing; erosion of natural deposits.
Iron	10/17/22	S12 = 0.267	0.1	0.3	Yes	Erosion of natural deposits.
Manganese	10/17/22	S12 = 0.0621	0.01	0.05	Yes	Erosion of natural deposits.

* On 08/01/2022, there was one unsatisfactory sample. On 08/03/22, four (4) repeat samples were collected, and all were **satisfactory - Absent**.

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 \$10,000,000).
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.