

Water Quality of Groundwater and Bull Run Water

The table below shows a comparison of typical groundwater and Bull Run water quality from past results. The actual water quality experienced by users may have differed depending on changes in the wells used during the course of the operation.

Characteristic	100% Bull Run ¹	60% Bull Run / 40% Groundwater	100% Groundwater ²	EPA/OHA Standard ³
Temperature (degrees C)	13	14.2	16	N/A
pH (units)	8.8	8.6	8.2	6.5 - 8.5 (S)
Color (units)	5	2	<5	15 (S)
Specific Conductance (µmhos/cm)	70	116	185	N/A
Total Dissolved Solids (mg/L)	46	80.4	132	500 (S)
Turbidity (NTU)	0.5	0.42	0.3	5
Silica (mg/L as Si)	3.9	9.42	17.7	N/A
Total Organic Carbon (mg/L)	0.9	0.4	0.4	N/A
Total Alkalinity as CaCO ₃ (mg/L)	28	53.6	92	N/A
Hardness as CaCO ₃ (mg/L)	7	31.8	69	250 (S)

1. Most recent values measured in Bull Run raw or treated water.

2. Average value at Groundwater Pump Station Outlet.

3. (S) denotes a secondary standard established by the EPA as a guideline to assist public water systems in managing drinking water for aesthetic considerations, such as taste, color and odor. These contaminants are not considered to present a risk to human health at this standard.