REGULATED INORGANIC CONTAMINANTS

This data is derived from samples collected from 2010 through 2020

Contaminants	AVG	Low	High	MCL	MCLG	Typical Source
1. Arsenic (ppm)	.433	ND	1.3	10	ND	Erosion of natural deposits; runoff from orchards
2. Asbestos	MFL	ND	0.17	7	7	Decay of asbestos cement in water mains; erosion of natural deposits
3. Barium (ppm)	.121	0.09	.179	2	2	Erosion of natural deposits; discharge of drilling wastes
4. Copper (ppb)	.344	.029	1.87	1.3	0	Corrosion of household plumbing systems, erosion of natural deposits; leaching from wood preservatives
5. Fluoride (ppm)	.711	.530	.890	4	4	Fluoridated water in distribution system: Erosion of natural deposits
6. Lead (ppb)	.004	ND	.007	0.015	0	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
7. Total (ppm) Nitrate+Nitrate	.559	ND	1.8	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
8. Sodium (ppm)	36.3	22.5	47.1	NA	NA	Erosion of natural deposits
9. Sulfate (ppm)	26.7	7.0	42	1000	NA	Erosion of natural deposits
10. Total Dissolved Solids (ppm)	382	352	412	2000	NA	Erosion of natural deposits

REGULATED ORGANIC CONTAMINANTS

This data is derived from distribution locations sampled in 2020

Contaminants	RRA	Low	High	MCL	MCLG	Typical Source
Total Trihalomethanes (ppb)	26.09	12.05	37.05	80	NA	By-product of drinking water chlorination
Haloacetic Acids (ppb)	13.19	6.75	22.55	60	NA	By-product of drinking water chlorination

REGULATED MICROBIOLOGICAL CONTAMINANTS

This data is derived from samples collected from January through Dec 2020

Contaminant	Percentage	MCL	MCLG	Typical Source
Total Coliform Bacteria	0.26	5%	0	Naturally present in the environment

REGULATED RADIOLOGIC CHEMICALS This data is derived from 2010 sampled in 2020						
Contaminant (Units)	**AVG**	**Low**	**High**	**MCL**	**MCLG**	**Typical Source**
Gross Alpha Particles (pCi/L	1.10	.20	2.6	15	0	Erosion of natural deposits
Combined Radium (pCi/L	.808	.380	1.70	5	0	Erosion of natural deposits

Descriptions of the significant potential sources of contamination located with in the area tributary to the District's surface water sources are listed below.

Potential sources of Contamination Score	**Description of Contaminants**	**Potential risk to Surface Water**
Transportation of hazardous material along roadways and railroads	Accidents along highways and other major roads and along railroads could lead to spills of hazardous materials, which could lead to contamination of surface water sources.	67 to 70
Industrial manufacturers and related companies and large commercial production and maintenance operations	Products and materials are used and stored in various quantities at these companies including acids, solvents, waste oils, other oils, gasoline diesel fuel, and other chemicals. Spills of these products and materials Could lead to contamination of surface water sources.	55 to 69
Rural residential areas	Household septic systems that are failing contain bacteria and viral Pathogens that are discharged directly into the ground and may eventually the surface water source. Fuels, fertilizer, and pesticides that may be used and stored also have the potential to contaminate.	54 to 68
Agricultural activities	Runoff containing fertilizers, herbicides, and pesticides applied to croplands could enter the surface water sources. Also, runoff containing bacteria and viruses from pastures or animal farms has the potential to enter the surface water sources.	30 to 64
Mineral producers	Tunnels or striped land from mining operations could lead to higher acidity or sediment loads in surface water sources	42 to 55
Sewage treatment facilities	Untreated sewage could discharge directly into the surface water source in extreme or emergency conditions	22 to 35
Camping areas and other recreational activities	Camping wastes and fuel used for recreational vehicles have the potential to be spilled and enter the surface water sources.	25 to 27
Underground fuel storage	Fuel in underground storage tanks may enter groundwater and eventually reach the surface water sources if a leak occurs in the tank.	10 to 25

The susceptibility of the various water sources are given below.

WATER SOURCE	SUSCEPTIBILITY TO CONTAMINATION	RATIONALE FOR SUSCEPTIBILITY RANKING
Weber River Watershed	High	Presence of many potential sources of contamination
Farmington Creek Canyon	Moderate	Presence of a few potential source of contamination
Burch Creek, Shepard Creek, Steed Creek Ricks Creek and Stone Creek	Low	No potential sources of contamination