

## Running Springs Water District 2022 Annual Drinking Water Consumer Confidence Report (CCR)

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien

Board of Directors – Mark Acciani, Bill Conrad, Laura Dyberg, Tony Grabow, Michael Terry

Public Water System ID#: 3610062

The District's Customers are encouraged to continue to voluntarily limit outdoor irrigation of ornamental landscapes or turf with potable water to two or three days per week. Please visit the Running Springs Water District website at: <a href="http://www.runningspringswaterdistrict.com/">http://www.runningspringswaterdistrict.com/</a> for additional water conservation information.



We are pleased to present the District's Annual Water Quality Consumer Confidence Report (CCR) for calendar year 2022. This Report is designed to provide information regarding the quality of water we deliver to you every day. Our goal is, and always has been, to provide a safe and dependable supply of drinking water.

Your water primarily comes from groundwater wells located throughout the Running Springs Water District. Other sources include imported State Water Project water purchased from the Crestline-Lake Arrowhead Water Agency (CLAWA) and groundwater purchased from Arrowbear Park County Water District (ABPCWD).

Running Springs Water District, CLAWA and ABPCWD routinely monitor for contaminants in your drinking water according to Federal and State laws. The State allows us to monitor some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though representative, are more than one year old. The tables in this report illustrate the results of our monitoring from January 1 to December 31, 2022. We are presenting the water quality report data and tables from our purchased water suppliers, CLAWA and ABPCWD, in essentially the same format that they were provided to us.

If you have any questions about this report, please contact the District's Lead Water Operator at 909-867-2766 ext. 10. We want our valued customers to be informed about their water utility. If you would like to learn more, please attend any of our regularly scheduled Board Meetings which are held on the 3<sup>rd</sup> Wednesday of each month at 9:00am in the District's Board room located at 31242 Hilltop Blvd., Running Springs, CA 92382.

The District's Board of Directors and Staff strive to meet your service needs. We are always interested in your comments and suggestions and ask that all our customers help us protect our water resources. If you have suggestions to help us improve our service or would like more information, please contact us at 909-867-2766 or visit our website at www.runningspringswaterdistrict.com.

		Kunning	springs wa	Ater District / TEST RES		r Quality Re	port
Contaminants	MCL	PHG	Average	Range of	Sample	Violation	Typical Source of Contamination
	_	(MCLG)	Level	Detection	Dates	Y/N	
Primary Standards**	*					·	-
	1 1		1	Microbiol			
Turbidity * (NTU)	5	NS	0.26	ND-1.50	2020-2022	No	Soil Runoff
Total	80	NS	17.94	infection Byp 10.9-24.6	2022	No	Duproduct of drinking water
Total Trihalomethanes (TTHM) (ppb)	80	NS	17.94	10.9-24.0	2022	NO	Byproduct of drinking water disinfection.
Haloacetic Acids (HAA5) (ppb)	60	NS	2.09	1.3-3.3	2022	No	Byproduct of drinking water disinfection.
				Inorgan	nics	·	
Fluoride***(ppm)	2	1	0	ND	2020-2022	No	Erosion of natural deposits, water additive to promote strong teeth.
Nitrate (as NO₃) ppm Monitored yearly	45	45	.57	ND-1.4	2022	No	Runoff/leaching from fertilizer use. Leaching from septic tanks, sewage, and erosion of natural deposits.
Arsenic (ppm)	10	4	0	ND	2020-2022	No	Erosion of natural deposits, runoff from orchards, glass, and electronics production waste.
	11		Rad	liological Cont	aminants***		
Gross Alpha Activity (pCi/L)	15	N/S	3.61	ND-13.25	2018-2022	No	Erosion of natural deposits.
Uranium	20	N/S	3.43	ND-12.55	2018-2022	No	Erosion of natural deposits.
	,		1	econdary Sta	ndards***		-1
Chloride (ppm)	500	N/S	22.56	3.50-75.00	2020-2022		Runoff/leaching from natural deposits, seawater influence.
Corrosivity	Non- corrosive	N/S	11.2	10.25- 12.15	2020-2022	No	Natural/industrial-influenced balance of hydrogen, carbon, and oxygen in water affected by temperature and other factors.
Sulfate (ppm)	500	N/S	3.57	ND-8.10	2020-2022	No	Runoff/leaching from natural deposits, industrial waste.
Total Dissolved Solids (TDS)	1000	N/S	174.44	120-250	2020-2022	No	Runoff/leaching from natural deposits.
Specific Conductance (micromhos)	1600	N/S	283.89	180-460	2020-2022	No	Substances that form ions when in water, seawater influence.
Odor (Threshold)	3	N/S	1	1	2020-2022	No	Naturally occurring organic chemical
			(	Other Contam			
Sodium (ppm)	N/S	N/S	12.79	7.8-24	2020-2022		Erosion of natural deposits.
Potassium (ppm)	N/S	N/S	2.62	0-4.6	2020-2022		Erosion of natural deposits.
Magnesium (ppm)	N/S	N/S	9.86	3.4-17.0	2020-2022		Erosion of natural deposits.
Calcium (ppm) Total Hardness	N/S N/S	N/S N/S	30.56 117.1	16-47 54-190	2020-2022 2020-2022		Erosion of natural deposits. Erosion of natural deposits.
(ppm) <b>Lead and Copper</b> – Le take water samples a	t the consum	er's tap ever					pper Rule which requires systems to
	90 <sup>th</sup> Percer	ntile Result	Unit o	f Measuremer	nt MCL	PHG	Typical Source of Contamination
Lead		)		ррb	15	2	Internal corrosion of household plumbing systems, discharge from industrial manufacturing, erosion of natural deposits.
Copper	23	30	ppb		1300		

\*\*Radiological contaminants – Four (4) quarterly samples are required every four (4) years.
 \*\*\*Monitored every three (3) years.
 \*\*\*\*Results are calculated on a locational running average.

	Cre	stline-Lake Ar	rowhead			/ 2022 Water Quality Report		
				1	RESULT			
Contaminant	Avg. Level	Range of Levels	Units	MCL	PHG	Major Sources in Drinking Water		
	Detected	Detected		<u> </u>	<u> </u>			
	26.0*		0.1	1	y Standa			
Γotal Γrihalomethanes*	36.2*	18.5-84.3	uG/l	80	N/A	Byproduct of drinking water disinfection.		
Haloacetic Acids*	3.6*	2.0-7.4	uG/l	60	N/A	Byproduct of drinking water disinfection.		
				Inorgan	ic Chem	icals		
Fluoride (naturally occurring)	.14	.1217	mg/l	2	1	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories.		
Nitrate (as N)	.13	043	mg/l	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits.		
	·			Seconda	ry Stand			
Chloride	73.69	68-83	mg/l	500	N/A	Runoff/leaching from natural deposits; seawater influence.		
Sulfate	70.25	65-80	mg/l	500	N/A	Runoff/leaching from natural deposits; industrial wastes.		
otal Dissolved olids (TDS)	314.38	270-380	mg/l	1000	N/A	Erosion of natural deposits.		
	1 1			Other C	onstitue	ents		
odium	77.94	71-87	mg/l	N/A	N/A	"Sodium" refers to the salt present in the water and is generally naturally occurring.		
Total Hardness	85.88	76-96	mg/l	N/A	N/A	"Hardness" is the sum of polyvalent cations present in the water, generally magnesium and calcium. The cations are usually naturally occurring.		
Odor-Threshold	1	1-1	TON	3	N/A	Naturally occurring organic materials.		
			Un	regulate	d Conta	minants		
Boron	188.13	160-210	uG/l	1000	N/A	Erosion of natural deposits.		
Vanadium	2.20	0-4.0	uG/l	50	N/A	Erosion of natural deposits.		
Н	8.13	7.9-8.4	Unit	6.5- 8.5	N/A			
*Total Trihalomethanes a	and Haloacetic Aci	ds are reported as t	he Highest I	Locational I	Running A	nnual Average.		
		Sampling Re	sults Sho	owing Tre	eatment	of Surface Water Sources		
Treatment Technique (a)				Conventional Treatment with multimedia pressure filters				
Type of approved fi								
Turbidity Performance Standards (b)				Turbidity of the filtered water must:				
(that must be met through water treatment process)				<ol> <li>Be less than or equal to 0.3 NTU in 95% of measurements in a month.</li> <li>Not exceed 1.0 NTU for more than eight consecutive hours.</li> </ol>				
					lot exce	ed 5.0 NTU at any time.		
Lowest monthly percentage of samples that met				100%				
Furbidity Performan								
Highest single turbic	<u> </u>		0.43 NTU					
Number of violation	e water treatmo	ent C	)					
requirements (a) A required pro		reduce the level of a						

(a) A required process intended to reduce the level of a containinant in drinking water.
 (b) Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements.

	A	rrowbear	Park County W	ater District Test Result		Water Qu	ality Report	
Microbiological Contaminants	Highest Detec		No. of months in violation	MCL			Typical Source of Bacteria	
No microbiological contaminants (Total Colifor Fecal Coliform or <i>E. coli</i> ) were detected during sampling during 2022.		otal Colifor	m Bacteria or	1 positive monthly sample	0		Coliforms – Naturally present in the environment, <i>E. coli</i> – Human and animal fecal waste.	
Lead and Copper	Sample Date	No. of samples collected	90 <sup>th</sup> Percentile level detected	No. Sites exceeding AL	AL	PHG		rce of Contaminant
Lead (ppb)	9/2/20	11	ND	0	15	0.2	plumbing systems;	of household water discharges from industrial psion of natural deposits.
Copper (ppm)	9/2/20	11	.12	0	1.3	0.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leachir from wood preservatives.	
Contaminant/ Constituent	Violation Y/N	Avg. Level Detected	Range of Detections	Unit	MCL	PHG (MCLG)		rce of Contaminant
Radioactive Contamina	ints		•					
Alpha Activity, Gross	N	0.3	ND-3.6	pCi/l	15	NONE	Erosion of natural	deposits.
Uranium	N	0.0	ND	pCi/l	20	NONE	Erosion of natural	-
Inorganic Chemical Con	taminants		•			•		
Nitrate as N (NO₃-N)	N	ND	None	ug/l	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits.	
Fluoride*	N	0.08	ND-0.20	mg/l	2	1	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories.	
Disinfection Byproduct	s (Trihalom	ethanes/Ha	loacetic Acids)					
Total Trihalomethanes	N	ND	None	ug/l	80	80	Byproduct of drinking water disinfection.	
Total Haloacetic Acids	N	ND	None	ug/l	60	60	Byproduct of drink	ing water disinfection.
Secondary Standards								
Chloride*	N	2.08	1.5-3.3	mg/l	500	NONE	Runoff/leaching from natural deposits, seawater influence.	
Sulfate*	N	ND	None	mg/l	500	NONE	Runoff/leaching from natural deposits; industrial wastes.	
Specific Conductance*	N	254	240-280	uS/cm	1600	NONE	Substances that form ions when in water; seawater influence.	
Odor Threshold	N	1.0	1.0-1.0	TON	3	NONE	Naturally-occurring	g organic materials.
Total Dissolved Solids*	N	150	140-160	mg/l	1000	NONE	Runoff/leaching from natural deposits.	
Turbidity**	N	0.136	0.1-0.3	NTU	5	NONE	Soil runoff.	
Other Constituents			1	1			1	
Calcium*	N	39.0	35-43	mg/l	NONE	NONE	Erosion of natural deposits.	
Magnesium*	N	2.36	2.2-2.6	mg/l	NONE	NONE	Erosion of natural deposits.	
ron (Fe)*	N	74	ND-370	ug/l	300	NONE	Erosion of natural deposits.	
Sodium*	N	15.2	13-18	mg/l	NONE	NONE	Naturally occurring salts.	
Zinc*	N	17.4	ND-87	ug/l	5000	NONE	Erosion of natural deposits.	
Bicarbonate (HCO <sub>3</sub> )	N	160	150-170	mg/l	NONE	NONE	Erosion of natural deposits.	
Total Hardness* *Testing/sampling required o these constituents is due in 20 **Turbidity is the measure of disinfectants.	023.							tions. Next testing/sampling for
Violation of a MCL, MR	DL, AL, TT, o	or Monitori	ng and Reporting	g Requiremen	t			
/iolation Explanation			Duration	Actions taken to Correct the Health Effects Language Violation				

No violations occurred in 2022.

As the tables show, we did not exceed the maximum contaminant level for any of the contaminants tested. Our drinking water exceeds Federal and State Standards. There may be terms and abbreviations you may not be familiar with, so we are providing these definitions below to help you better understand them. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency Safe Drinking Water Hotline at 800-426-4791.

Abbreviations

- ppm Parts per million
- ppb Parts per billion
- mg/L Milligrams per liter = ppm
- ug/L Microgram per liter = ppb
- pCi/l Picocuries per liter is a measure of the radioactivity in water.
- NTU Nephelometric Turbidity Unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person. Turbidity is a measure of the cloudiness of water. We monitor turbidity because it is a good indicator of water quality. High Turbidity can hinder the effectiveness of disinfectants.
- TDS Total Dissolved Solids
- MCL Maximum Contaminant Level is the highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as economically and technologically feasible. Secondary taste and appearance of drinking water.
- MCLG Maximum Contaminant Level Goal is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- **PDWS** Primary Drinking Water Standard: MCL's for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.
- **PHG** Public Health Goal. The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.
- Range Lowest to Highest
- N/S No Standard
- ND Non-Detect
- Micro-ohms One Millionth of OHM.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline 800-426-4791.

The sources of drinking water (both tap water and bottled) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be presented in source water include:

- Micro contaminants, such as viruses, and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, that can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas productions, mining, or farming.
- Pesticides and herbicides, that may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses
- Organic chemical contaminants, including synthetic and volatile organic chemicals that are byproducts of industrial processes and petroleum production, and can also come for gas stations, urban storm water runoff, agricultural application and septic systems.
- Radioactive contaminants that can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (USEPA) and the State Water Resources Control Board Division of Drinking Water (SWRCB-DDW) limit the amount of certain contaminants in water provided by public water systems. SWRCB-DDW regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

In order to ensure that tap water is safe to drink, USEPA and the SWRCB-DDW prescribe regulations that limit the number of certain contaminants in water provided by public water systems. SWRCB-DDW regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.

Lead: If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Running Springs Water District is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead

in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <a href="http://www.epa.gov/lead">http://www.epa.gov/lead</a>.

Arsenic: While your drinking water meets the federal and state standard for arsenic, it does contain low levels of arsenic. The arsenic standard balances the current understanding of arsenic's possible health effects against the cost of removing arsenic from drinking water. The U.S. Environmental Protection Agency continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

In 2020, Running Springs Water District and the State Water Resources Control Board completed a Watershed Sanitary Survey to evaluate the Running Springs Water District compliance with permit provisions and all applicable regulations. The various elements that were evaluated included sources, treatment, distribution system, finished water storage, pumps, pump facilities and controls, monitoring, reporting and data verification, system management, operation, and operator compliance with state requirements. All elements reviewed were determined to be satisfactory.

Source No.	Source ID	Most Vulnerable Activities / Possible Contaminating Activities (PCA)	Chemical Detected		
8	Horizontal Well 041I	Historic waste dumps/landfills	None		
9	Horizontal Well 041J	Historic waste dumps/landfills	None		
11	Luring Canyon Vertical Well	Housing-high density	None		
		Sewer Collection System	None		
16	Sidewinder Canyon Vertical 05	Wells-Water Supply	None		
17	Sidewinder Vertical Well 01A	Wells-Water Supply	None		
18	Sidewinder Vertical Well 03	Wells-Water Supply	None		
	Weiss Canyon Vertical	Sewer Collections Systems	None		
22	Rimwood Vertical Well #2 Well	Wells-Water Supply	None		
28	Horizontal Well 86-7-13H	Sewer Collections Systems	None		
29	Horizontal Well 04D	Sewer Collections Systems	None		
31	Owl Rock Vertical Well	Illegal activities/unauthorized dumping	None		
33	Horizontal Well 96-6-16H	Sewer Collections Systems	None		
		Historic waste dumps/landfills	None		
34	Luring Pines Well	Housing-high density	Nitrate		
		Sewer Collections Systems	Nitrate		
		Storm Drain Discharge Points	None		
50	Ayers Well 2	Sewer Collections System	None		
101	District Complex Vertical Well	Sewer Collections Systems	None		
		Utility stations-maintenance areas	None		
103	Horizontal Well 98-9-17H	Wells-Water Supply	None		
104	Horizontal Well 98-9-18H	Historic waste dumps/landfills	None		
105	Harris Vertical Well	Sewer Collections Systems	None		

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## **RUNNING SPRINGS WATER DISTRICT**

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