

**Water Quality Results - Microbiology & Chemistry**

**Rankins Springs**

**1 January 2023 - 31 December 2023**

Analysis Type	Characteristic	Guideline Value	Units	Min	Max	Sample Count	% meeting guideline values	
Chemistry	Aluminium	0.2000	mg/L	0.005	0.01	3	100.00	
	Antimony	0.0030	mg/L	0.00005	0.00005	3	100.00	
	Arsenic	0.0100	mg/L	0.001	0.002	3	100.00	
	Barium	2.0000	mg/L	0.0006	0.0442	3	100.00	
	Boron	4.0000	mg/L	0.0987	0.2346	3	100.00	
	Cadmium	0.0020	mg/L	0.00005	0.0001	3	100.00	
	Calcium	10000.0000	mg/L	6	100.1	3	100.00	
	Chloride	250.0000	mg/L	21	515	3	66.67	
	Chromium	0.0500	mg/L	0.0005	0.002	3	100.00	
	Copper	2.0000	mg/L	0.013	0.08	3	100.00	
	Fluoride	1.5000	mg/L	0.05	0.69	3	100.00	
	Iodine	0.5000	mg/L	0.01	0.03	3	100.00	
	Iron	0.3000	mg/L	0.005	0.03	3	100.00	
	Lead	0.0100	mg/L	0.0007	0.0041	3	100.00	
	Magnesium	10000.0000	mg/L	0.37	81.09	3	100.00	
	Manganese	0.5000	mg/L	0.0026	0.4912	3	100.00	
	Mercury	0.0010	mg/L	0.0004	0.0004	3	100.00	
	Molybdenum	0.0500	mg/L	0.00005	0.0003	3	100.00	
	Nickel	0.0200	mg/L	0.0002	0.0015	3	100.00	
	Nitrate	50.0000	mg/L	0.5	1	3	100.00	
	Nitrite	3.0000	mg/L	0.05	0.05	3	100.00	
	pH	6.5 - 8.5			7.4	8.1	3	100.00
	Selenium	0.0100	mg/L	0.0035	0.0035	3	100.00	
Silver	0.1000	mg/L	0.0001	0.0003	3	100.00		

	Sodium	180.0000	mg/L	17	296	3	66.67
	Sulfate	250.0000	mg/L	1	123	3	100.00
	Total Dissolved Solids (TDS)	10000.0000	mg/L	47	1106	3	100.00
	Total Hardness as CaCO3	200.0000	mg/L	16.5	583.9	3	66.67
	True Colour	15.0000	Hazen Units (HU)	0.5	1	3	100.00
	Turbidity	5.0000	NTU	0.6	1.4	3	100.00
	Uranium	0.0170	mg/L	0.00005	0.0094	3	100.00
	Zinc	3.0000	mg/L	0.03	0.03	3	100.00
Microbiology							
	E. coli	0.0000	mpn/100 mL	0	0	25	100.00
	Free Chlorine	0.2 - 5	mg/L	0.5	1.4	26	100.00
	pH	6.5 - 8.5		7.12	8.11	26	100.00
	Temperature	30.0000	C	9	23.9	23	100.00
	Total Chlorine	5.0000	mg/L	0.52	1.57	26	100.00
	Total Coliforms	0.0000	mpn/100 mL	0	0	24	100.00
	Turbidity	5.0000	NTU	0.01	3.08	26	100.00