

**Water Quality Results - Microbiology & Chemistry**

**Hillston**

**1 January 2023 - 31 December 2023**

Analysis Type	Characteristic	Guideline	Units	Min	Max	Sample	% meeting
Chemistry							
	Aluminium	0.2000	mg/L	0.005	0.005	2	100.00
	Antimony	0.0030	mg/L	0.00005	0.00005	2	100.00
	Arsenic	0.0100	mg/L	0.001	0.001	2	100.00
	Barium	2.0000	mg/L	0.037	0.0406	2	100.00
	Boron	4.0000	mg/L	0.0502	0.0542	2	100.00
	Cadmium	0.0020	mg/L	0.00005	0.00005	2	100.00
	Calcium	10000.0000	mg/L	27.1	27.3	2	100.00
	Chloride	250.0000	mg/L	97	110	2	100.00
	Chromium	0.0500	mg/L	0.0005	0.001	2	100.00
	Copper	2.0000	mg/L	0.018	0.02	2	100.00
	Fluoride	1.5000	mg/L	0.22	0.26	2	100.00
	Iodine	0.5000	mg/L	0.06	0.06	2	100.00
	Iron	0.3000	mg/L	0.01	0.01	2	100.00
	Lead	0.0100	mg/L	0.0004	0.0005	2	100.00
	Magnesium	10000.0000	mg/L	21.95	23.4	2	100.00
	Manganese	0.5000	mg/L	0.00015	0.00015	2	100.00
	Mercury	0.0010	mg/L	0.0004	0.0004	2	100.00
	Molybdenum	0.0500	mg/L	0.0002	0.0003	2	100.00
	Nickel	0.0200	mg/L	0.0008	0.001	2	100.00
	Nitrate	50.0000	mg/L	1	1	2	100.00
	Nitrite	3.0000	mg/L	0.05	0.05	2	100.00
pH	6.5 - 8.5		7.5	7.6	2	100.00	
Selenium	0.0100	mg/L	0.0035	0.0035	2	100.00	
Silver	0.1000	mg/L	0.0001	0.0001	2	100.00	
Sodium	180.0000	mg/L	69	71	2	100.00	

	Sulfate	250.0000	mg/L	43	46	2	100.00
	Total Dissolved Solids (TDS)	10000.0000	mg/L	273	280	2	100.00
	Total Hardness as CaCO3	200.0000	mg/L	158.6	164	2	100.00
	True Colour	15.0000	Hazen Units (HU)	0.5	1	2	100.00
	Turbidity	5.0000	NTU	0.2	0.3	2	100.00
	Uranium	0.0170	mg/L	0.0004	0.0008	2	100.00
	Zinc	3.0000	mg/L	0.02	0.03	2	100.00
Microbiology							
	E. coli	0.0000	mpn/100 mL	0	0	51	100.00
	Free Chlorine	0.2 - 5	mg/L	0.32	0.89	52	100.00
	pH	6.5 - 8.5		7.71	8.3	52	100.00
	Temperature	30.0000	C	13.2	30.1	50	98.00
	Total Chlorine	5.0000	mg/L	0.32	1	52	100.00
	Total Coliforms	0.0000	mpn/100 mL	0	0	51	100.00
	Turbidity	5.0000	NTU	0.01	1.16	52	100.00