Te Kaunihera-ā-Rohe o Taratahi
CARTERTON DISTRICT COUNCIL

Carterton Source Water

The following table shows the mean values of chemical analysis of the water supply from the Kaipatangata Water Treatment Plant, compared with the maximum allowable value (MAV) acceptable range for each element as set out in the Drinking Water Standards New Zealand (DWSNZ).

Kaipatangata Stream

Date of Sample	Parameter	DWSNZ MAV (A) / GV (B)	Result
10/11/2023	Alkalinity - total CaCO3/m3	-	20
10/11/2023	Antimony - total g/m3	0.1 (B)	<0.002
10/11/2023	Arsenic - total g/m3	0.01 (A)	<0.001
0/01/1900	Boron - total g/m3	1.4 (A)	0
10/11/2023	Barium - total g/m3	-	0.009
10/11/2023	Cadmium - total g/m3	0.004 (A)	<0.0002
27/09/2022	Calcium (Hardness) g/m3	-	6.25
10/11/2023	Chloride g/m3	250 (B)	8.17
10/11/2023	Chromium - total g/m3	0.05 (A)	<0.001
9/01/2025	Conductivity at 25oC - mS/m	-	8.9
10/11/2023	Copper - total g/m3	2 (A)	0.0008
21/02/2023	Carbon g/m3		0.9
	Fluoride g/m3		
10/01/2025	Iron - total g/m3	0.2 (B)	<0.1
10/11/2023	Lead - total g/m3	0.01 (A)	<0.0005
27/09/2022	Magnesium - total g/m3	-	1.52
10/01/2025	Manganese - total g/m3	0.04 (A)	0.001
10/11/2023	Mercury - total g/m3	0.007 (A)	<0.0005
10/11/2023	Nickel - total g/m3	0.08 (A)	<0.0005
10/01/2025	Nitrate - nitrogen g/m3	50 (A)	0.04
10/01/2025	pH	7.0 - 8.5 (B)	6.9
10/11/2023	Sodium - total g/m3	-	6.12
10/11/2023	Sulphate g/m3	250 (B)	2.67
10/01/2025	Colour (colour units)		2.9

The following table shows the mean values of chemical analysis of the water supply from the Frederick St Water Treatment Plant (highest value of 3 bores), compared with the maximum allowable value (MAV) acceptable range for each element as set out in the Drinking Water Standards New Zealand (DWSNZ).

Frederick Street Groundwater

Date of Sample	Parameter	DWSNZ MAV (A) / GV (B)	Result
10/11/2023	Alkalinity - total CaCO3/m3	-	33
10/11/2023	Antimony - total g/m3	0.1 (B)	<0.002
30/06/2022	Arsenic - total g/m3	0.01 (A)	<0.002
30/06/2022	Boron - total g/m3	1.4 (A)	<0.05
10/11/2023	Barium - total g/m3	-	0.02
30/06/2022	Cadmium - total g/m3	0.004 (A)	<0.001
30/06/2022	Calcium (Hardness) g/m3	-	7.8
10/11/2023	Chloride g/m3	250 (B)	12
30/06/2022	Chromium - total g/m3	0.05 (A)	<0.001

9/01/2025	Conductivity at 25oC - mS/m	-	16.3
30/06/2022	Copper - total g/m3	2 (A)	<0.002
30/06/2022	Fluoride g/m3		0.15
10/01/2025	Iron - total g/m3	0.2 (B)	3.4
30/06/2022	Lead - total g/m3	0.01 (A)	0.001
30/06/2022	Magnesium - total g/m3	-	3.5
10/01/2025	Manganese - total g/m3	0.04 (A)	0.03
30/06/2022	Mercury - total g/m3	0.007 (A)	<0.001
30/06/2022	Nickel - total g/m3	0.08 (A)	0.004
10/01/2025	Nitrate - nitrogen g/m3	50 (A)	3.3
10/01/2025	pH	7.0 - 8.5 (B)	6.9
30/06/2022	Sodium - total g/m3	-	14.4
10/11/2023	Sulphate g/m3	250 (B)	9.71
10/01/2025	Colour (colour units)		0.3