

Water Quality Report: Rangitata Huts (RAN003)

Period: 2026, Quarter 1 - From 01/01/2026 to 31/03/2026

Period Results for Rangitata Huts (RAN003) Components

Water Supply	Rangitata Huts (RAN003)	Results
Source Water	Rangitata Huts Bore (G00201)	
	Sampling for Chemical Compliance	Complies ¹
	Monitoring for Cyanobacteria	N/A
Treatment Plant	Rangitata Huts (TP00301)	
	Sampling for Chemical Compliance	Complies ¹
	pH Range of Treated Water	Non-Compliant ²
Distribution	Rangitata Huts (RAN003RH)	
	Sampling for Chemical Compliance	Complies
	Sampling for Microbiological Compliance	Complies
	Residual Disinfection (Free Available Chlorine within Network)	Complies

¹ The nitrate MAV is 50mg/l and although the MAV was not exceeded, the nitrate level at Rangitata Huts did exceed 50% of MAV. Health advice suggests an alternative water source should be considered for young children and pregnant women, if nitrate level exceeds 50% of MAV.

² The pH range for treated water is between 6.5 - 8. This supply is lower than this range for this quarter, which may have a corrosive effect on water assets, disinfection efficiency and taste.

Latest Source Water Composition Information

Source - Rangitata Huts Bore (G00201) Water Composition:

Lab #	Date	Chemical	Unit	Result	MAV %
4013982	21/10/2025	Langelier Saturation Index		-1.7	-
4013982	21/10/2025	Sample Temperature	°C	20.0	-
4032695	12/11/2025	Dissolved Calcium	g/m ³	33	-
4013982	21/10/2025	Turbidity	NTU	0.12	-
4032695	12/11/2025	pH	pH Units	6.4	-
4032695	12/11/2025	Total Alkalinity	g/m ³ as CaCO ₃	60	-
4013982	21/10/2025	Free Carbon Dioxide	g/m ³ at 25°C	43	-
4032695	12/11/2025	Total Hardness	g/m ³ as CaCO ₃	108	-
4032695	12/11/2025	Electrical Conductivity (EC)	mS/m	30.9	-
4013982	21/10/2025	Approx Total Dissolved Salts	g/m ³	210	-
4099926	10/02/2026	Total Arsenic	g/m ³	<0.0010	0%
4013982	21/10/2025	Total Boron	g/m ³	<0.053	0%
4013982	21/10/2025	Total Calcium	g/m ³	31	-
4032695	12/11/2025	Total Copper	g/m ³	0.0081	0.4%
4099926	10/02/2026	Total Iron	g/m ³	<0.02	-
4032695	12/11/2025	Total Lead	g/m ³	0.00020	2%
4013982	21/10/2025	Total Magnesium	g/m ³	6.7	-
4099926	10/02/2026	Total Manganese	g/m ³	<0.0005	0%
4013982	21/10/2025	Total Potassium	g/m ³	4.7	-
4013982	21/10/2025	Total Sodium	g/m ³	15.4	-
4032695	12/11/2025	Total Zinc	g/m ³	0.0152	-
4032695	12/11/2025	Chloride	g/m ³	19.4	-
4206360	05/05/2026	Nitrate-N	g/m ³	6.7	59.3%
4032695	12/11/2025	Sulphate	g/m ³	27	-

Note: This data shows only the Nitrate-N (NO₃-N) result, not Nitrate (NO₃).