



**Unitywater**  
Serving you today, investing in tomorrow.

# Annual Recycled Water Performance Report

1 JULY 2022 – 30 JUNE 2023

# Acknowledgement of Country

---

Unitywater acknowledges the Traditional Owners of the lands on which we operate – the Jinibara, Kabi Kabi and Turrbal people. We recognise their significant contributions to the conservation of our environment and their deep connection to the land and waters.



Our Cultural Spring motif symbolises a water hole, traditionally a gathering place where knowledge is shared. The depth of colour illustrates the connection between land and water and our commitment to reconciliation, bringing our people together and fostering a deeper understanding and respect for Aboriginal and Torres Strait Islander cultures.

We are proud to have worked with Gilimbaa Creative Agency on this cultural artwork.

# Introduction

Recycled water is supplied for customer reuse throughout the Unitywater supply region and may be used for a number of approved low-exposure purposes, including residential, commercial, municipal and industrial applications.


Unitywater tests a number of physical, chemical and microbiological water quality parameters at each recycled water scheme. This report provides a summary of recycled water quality performance to assist with our customers in managing their on-site activities.

*The Public Health Regulation 2018* outlines water quality performance requirements for recycled water schemes. The tables below define the class for each scheme, performance requirements, and Unitywater’s compliance to these requirements.

Scheme	Class	Class	Performance Requirement
Brendale	B	A+	<b>Less than 1</b> <i>E. coli</i> cfu / 100mL or MPN / 100mL in at least 95% of samples taken in the previous 12 months*
Coolum	B	A	<b>Less than 10</b> <i>E. coli</i> cfu / 100mL or MPN / 100mL in at least 95% of samples taken in the previous 12 months
Kawana <sup>1</sup>	B	B	<b>Less than 100</b> <i>E. coli</i> cfu / 100mL or MPN / 100mL in at least 95% of samples taken in the previous 12 months
Landsborough	B	C	<b>Less than 1,000</b> <i>E. coli</i> cfu / 100mL or MPN / 100mL in at least 95% of samples taken in the previous 12 months
Maleny	B	D	<b>Less than 10,000</b> <i>E. coli</i> cfu / 100mL or MPN / 100mL in at least 95% of samples taken in the previous 12 months
Maroochydore <sup>1</sup>	B		
	D		
Murrumba Downs	B		
Nambour <sup>1</sup>	B		
	D		
Noosa	B		
Redcliffe	C		
South Caboolture <sup>1</sup>	B		
	A+*		
Woodford	A		

\* When Class A+ recycled water is being supplied to households as part of a dual reticulation scheme, and when it is used to irrigate minimally processed crops, there are additional microbiological criteria that must be met (see *Public Health Regulation* Section 58).

Unitywater’s compliance with PHR recycled water quality performance requirement:
All Schemes



<sup>1</sup>Schemes have more than 1 point of supply for water quality class performance monitoring  
<sup>\*</sup>Non-potable water

CFU = Colony Forming Units  
 MPN = Most Probably Number  
 PHR = *Public Health Regulations 2018*

If you have any questions regarding recycled water, please visit [our website](#).

# Recycled Water Quality Scheme Summary

## Brendale

Parameter	Units	Number of Tests	Average
Conductivity	uS/cm	50	723
Nitrogen (Ammonia)	mg/L	50	0.5
Nitrogen (Oxidised)	mg/L	50	2
Nitrogen (Total)	mg/L	50	4.1
pH	pH Units	50	7.1
Phosphorous (Total)	mg/L	50	1.1
Suspended Solids	mg/L	50	5

## Coolum

Parameter	Units	Number of Tests	Average
Conductivity	uS/cm	47	725
Nitrogen (Ammonia)	mg/L	47	2
Nitrogen (Oxidised)	mg/L	47	1.1
Nitrogen (Total)	mg/L	47	4
pH	pH Units	47	7.1
Phosphorous (Total)	mg/L	47	0.7
Suspended Solids	mg/L	47	3

## Kawana

Parameter	Units	Number of Tests	Average
Conductivity	uS/cm	46	1192
Nitrogen (Ammonia)	mg/L	46	9.7
Nitrogen (Oxidised)	mg/L	46	12.8
Nitrogen (Total)	mg/L	46	24.8
pH	pH Units	46	7.2
Phosphorous (Total)	mg/L	46	4.4
Suspended Solids	mg/L	46	9

**Average** = the sum of all test values divided by the total number of tests

**mg/L** = milligrams per litre

**µS/cm** = microsiemens per centimetre

## Landsborough

Parameter	Units	Number of Tests	Average
Conductivity	uS/cm	44	705
Nitrogen (Ammonia)	mg/L	44	1.1
Nitrogen (Oxidised)	mg/L	44	<0.5
Nitrogen (Total)	mg/L	44	2.5
pH	pH Units	44	7.6
Phosphorous (Total)	mg/L	44	1.9
Suspended Solids	mg/L	44	3

## Maleny

Parameter	Units	Number of Tests	Average
Conductivity	uS/cm	52	495
Nitrogen (Ammonia)	mg/L	52	0.1
Nitrogen (Oxidised)	mg/L	52	1.7
Nitrogen (Total)	mg/L	52	2.4
pH	pH Units	52	7.1
Phosphorous (Total)	mg/L	52	0.1
Suspended Solids	mg/L	52	2

## Maroochydore

Parameter	Units	Number of Tests	Average
Conductivity	uS/cm	46	2404
Nitrogen (Ammonia)	mg/L	46	0.1
Nitrogen (Oxidised)	mg/L	46	<0.5
Nitrogen (Total)	mg/L	46	1.4
pH	pH Units	46	7.4
Phosphorous (Total)	mg/L	46	0.2
Suspended Solids	mg/L	46	3

**Average** = the sum of all test values divided by the total number of tests

**mg/L** = milligrams per litre

**µS/cm** = microsiemens per centimetre

## Murrumba Downs

Parameter	Units	Number of Tests	Average
Conductivity	uS/cm	52	748
Nitrogen (Ammonia)	mg/L	52	0.2
Nitrogen (Oxidised)	mg/L	52	<0.5
Nitrogen (Total)	mg/L	52	1.4
pH	pH Units	52	7.3
Phosphorous (Total)	mg/L	52	0.5
Suspended Solids	mg/L	52	3

## Nambour

Parameter	Units	Number of Tests	Average
Conductivity	uS/cm	41	985
Nitrogen (Ammonia)	mg/L	41	0.2
Nitrogen (Oxidised)	mg/L	41	1.7
Nitrogen (Total)	mg/L	41	2.7
pH	pH Units	41	7.4
Phosphorous (Total)	mg/L	41	0.5
Suspended Solids	mg/L	41	3

## Noosa

Parameter	Units	Number of Tests	Average
Conductivity	uS/cm	49	1764
Nitrogen (Ammonia)	mg/L	49	0.3
Nitrogen (Oxidised)	mg/L	49	3.9
Nitrogen (Total)	mg/L	49	5.0
pH	pH Units	49	7.2
Phosphorous (Total)	mg/L	49	0.3
Suspended Solids	mg/L	49	2

**Average** = the sum of all test values divided by the total number of tests

**mg/L** = milligrams per litre

**µS/cm** = microsiemens per centimetre

## Redcliffe

Parameter	Units	Number of Tests	Average
Conductivity	uS/cm	46	1238
Nitrogen (Ammonia)	mg/L	46	0.9
Nitrogen (Oxidised)	mg/L	46	4.2
Nitrogen (Total)	mg/L	46	6.1
pH	pH Units	46	7.1
Phosphorous (Total)	mg/L	46	0.3
Suspended Solids	mg/L	46	5

## Woodford

Parameter	Units	Number of Tests	Average
Conductivity	uS/cm	27	876
Nitrogen (Ammonia)	mg/L	27	0.5
Nitrogen (Oxidised)	mg/L	27	2.1
Nitrogen (Total)	mg/L	27	3.5
pH	pH Units	27	7.8
Phosphorous (Total)	mg/L	27	0.5
Suspended Solids	mg/L	27	3

## South Caboolture (Class B)

Parameter	Units	Number of Tests	Average
Conductivity	uS/cm	8	633
Nitrogen (Ammonia)	mg/L	8	0.2
Nitrogen (Oxidised)	mg/L	8	1.9
Nitrogen (Total)	mg/L	8	3.7
pH	pH Units	8	7
Phosphorous (Total)	mg/L	8	0.6
Suspended Solids	mg/L	8	4

**Average** = the sum of all test values divided by the total number of tests

**mg/L** = milligrams per litre

**µS/cm** = microsiemens per centimetre

## South Caboolture Dual Reticulation (Class A+)

Parameter	Units	Number of Tests	Average
Free Chlorine	mg/L	198	<0.1
Total Chlorine	mg/L	202	0.7
Conductivity	uS/cm	202	206
Turbidity	NTU	202	0.1

**Average** = the sum of all test values divided by the total number of tests

**mg/L** = milligrams per litre

**µS/cm** = microsiemens per centimetre

**NTU** = Nephelometric Turbidity Units