

DATE OF ISSUE: 28/09/23

REPORT NO: WN231867

## Water Analysis Report

<b>REPORT NO:</b>	WN231867	<b>ISSUE DATE:</b>	28/09/23
<b>DATE SAMPLES RECEIVED:</b>	19/09/23	<b>PURCHASE ORDER:</b>	
<b>SAMPLES RECEIVED:</b>	2	<b>COMMENT:</b>	Results relate only to items tested.

<b>SUBMITTER:</b>	David Cash
<b>COMPANY:</b>	Richmond Valley Council
<b>ADDRESS:</b>	Locked Bag 10 CASINO NSW 2470,

METHOD ID	ANALYSIS METHOD
MB402	E.Coli and Total Coliforms in Water
MB407	Heterotrophic Plate Count
W107	EC, pH, Alkalinity & Chloride in water by autotitrator
C806	Calculations **
W112	Turbidity of water
W111	Determination of True and Apparent Colour in Water
W115	Total Suspended Solids and Fixed/Volatile Suspended Solids
C804	Hardness
M670	Elements and Metals by ICP-AES
W110	Organic Carbon in water
M671	Elements and Metals by ICP-MS

### REPORT AUTHORISATION

Approved for Release by:



Veronica Barnett  
Technical Officer



Accreditation No. 14173  
Accredited for compliance  
with ISO/IEC 17025 - Testing



Wollongbar Agricultural Institute (WAAI)  
1243 Bruxner Hwy  
Wollongbar NSW 2477  
T: 02 6626 1103  
E: wollongbar.csu@dpi.nsw.gov.au  
W: www.dpi.nsw.gov.au

DATE OF ISSUE: 28/09/23

REPORT NO: WN231867

ANALYSIS RESULTS				
			1	2
Test Description	LOR	UNITS	RVC Finished Water	RVC Raw Water
Date Sampled		Date	19/09/23	19/09/23
Sampled By			AH	CC
Time Sampled		Time	11:30AM	10:00AM
Total coliforms in water	1	MPN/100 mL	<1	290
E.Coli in water	1	MPN/100 mL	<1	10
Heterotrophic Plate Count_HPC	2	MPN	<2	
pH		pH units	7.5	7.8
TDS <sub>(calc)</sub>	6	mg/L	280	260
Electrical Conductivity	10	µS/cm	420	390
Alkalinity	14	mg/L CaCO <sub>3</sub>	140	150
Turbidity	0.07	NTU	0.12	8.3
Apparent colour	1	CU	<1.0	57
True Colour	1	CU	<1.0	6.9
Total Suspended Solids	1.0	mg/L	<1.0	9.5
Hardness	1.0	mg/L CaCO <sub>3</sub>	130	130
Calcium	0.03	mg/L	28	28
Magnesium	0.006	mg/L	15	15
Total Organic Carbon	0.2	mg/L	1.4	2.4
Total Aluminium	0.001	mg/L	0.032	0.31
Dissolved Aluminium	0.001	mg/L	0.030	0.0065
Total Iron	0.005	mg/L	<0.0050	0.46
Dissolved Iron	0.0001	mg/L	0.00042	0.0077
Total Manganese	0.0005	mg/L	0.0028	0.16
Dissolved Manganese	0.0001	mg/L	0.0018	0.058

## LABORATORY NOTES

**\*\*NATA Accreditation does not cover the performances of this service.**

- Analysis is conducted within the date received and the date the report is finalised.
- Results are expressed on an 'as received' basis unless otherwise stated.
- This report should not be reproduced except in full.
- Samples will be retained for one calendar month from the date of the final report and then discarded.
- Clients wishing to recover their samples must contact the laboratory within this period.
- Sample return is at the clients expense.
- Results for elements analysed by ICP are reported in mg/L for ICP-OES and low level analysis in ug/L for ICP-MS