

DATE OF ISSUE: 26/10/23

REPORT NO: WN231978

## Water Analysis Report

<b>REPORT NO:</b>	<b>WN231978</b>	<b>ISSUE DATE:</b>	<b>26/10/23</b>
<b>DATE SAMPLES RECEIVED:</b>	<b>4/10/23</b>	<b>PURCHASE ORDER:</b>	
<b>SAMPLES RECEIVED:</b>	<b>2</b>	<b>COMMENT:</b>	Results relate only to items tested.

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

<b>METHOD ID</b>	<b>ANALYSIS METHOD</b>
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
W110	Organic Carbon in water
W151	Nitrite Nitrogen by FIA
W153	Oxidised Nitrogen by FIA
W161	Total Phosphorus or Total Dissolved Phosphorus in water
C804	Hardness
M670	Elements and Metals by ICP-AES
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: 26/10/23

REPORT NO: WN231978

ANALYSIS RESULTS				
			1	2
Test Description	LOR	UNITS	RVC Finished Water	RVC Raw Water
Date Sampled		Date	03/10/23	03/10/23
Sampled By			AH	CC
Time Sampled		Time	13:15	12:30
Total coliforms in water	1	MPN/100 mL	<1	340
E.Coli in water	1	MPN/100 mL	<1	3
Heterotrophic Plate Count_HPC	2	MPN	<2	3,250
pH		pH units	7.5	7.6
TDS <sub>(calc)</sub>	6	mg/L	300	270
Electrical Conductivity	10	µS/cm	440	410
Alkalinity	14	mg/L CaCO <sub>3</sub>	180	180
Turbidity	0.07	NTU	0.27	7.5
Apparent colour	1	CU	1.5	44
True Colour	1	CU	<1.0	6.3
Total Suspended Solids	1.0	mg/L	1.0	8.5
Total Organic Carbon	0.2	mg/L	1.4	2.5
Dissolved Organic Carbon	0.2	mg/L	1.3	2.2
Nitrite Nitrogen	0.01	mg/L	<0.01	<0.01
Nitrate Nitrogen	0.02	mg/L	0.023	<0.020
Total Phosphorus	0.03	mg/L	<0.03	0.095
Hardness	1.0	mg/L CaCO <sub>3</sub>	140	150
Calcium	0.03	mg/L	30	31
Magnesium	0.006	mg/L	17	17
Total Aluminium	0.001	mg/L	0.030	0.14
Dissolved Aluminium	0.001	mg/L	0.030	0.0074
Total Iron	0.005	mg/L	<0.0050	0.40
Dissolved Iron	0.0001	mg/L	<0.00010	0.0099
Total Manganese	0.0005	mg/L	0.0077	0.38
Dissolved Manganese	0.0001	mg/L	0.0064	0.31

## LABORATORY NOTES

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

Samples outsourced to Envirolab for THM analysis.

Samples outsourced to SAS Laboratories for MIB/Geosmin analysis. SAS Lab advised that there was no reportable result for MIB/Geosmin.

The report from the outsourced lab will be forwarded when received by AgEnviro laboratory.

## This is a final report and replaces any preliminary report issued.

- 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