

DATE OF ISSUE: 7/12/22

REPORT NO: WN222237

## Water Analysis Report

<b>REPORT NO:</b>	WN222237	<b>ISSUE DATE:</b>	7/12/22
<b>DATE SAMPLES RECEIVED:</b>	22/11/22	<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
W110	Organic Carbon in water
C804	Hardness
M670	Elements and Metals by ICP-AES
W125	Anions in Water and Aqueous Extracts by Ion Chromatography
M671	Elements and Metals by ICP-MS

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

### LABORATORY NOTES

- 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. Samples will then be discarded.
- Clients wishing to recover their samples must contact the laboratory within this period.
- This laboratory will return residual samples at client expense.

Approved for Release by: 

Sarah Morison  
Coordinator Analytical Services

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



Wollongbar Agricultural Institute (WWAI)  
1243 Bruxner Hwy

Wollongbar NSW 2477

T: 02 6626 1103

E: wollongbar.csu@dpi.nsw.gov.au

W: www.dpi.nsw.gov.au



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ANALYSIS RESULTS				
			1	2
Test Description	LOR	UNITS	RVC Finished Water	RVC Raw Water
Total coliforms in water	1	MPN/100 mL	<1	1,600
E.Coli in water	1	MPN/100 mL	<1	28
Heterotrophic Plate Count_HPC	2	MPN	<2	950
pH		pH units	7.6	8.0
TDS <sub>(calc)</sub>	6	mg/L	270	230
Electrical Conductivity	10	µS/cm	400	340
Alkalinity	14	mg/L CaCO <sub>3</sub>	130	140
Turbidity	0.07	NTU	0.15	21
Apparent colour	1	CU	<1	89
True Colour	1	CU	<1.0	9.0
Total Suspended Solids	1.0	mg/L	<1.0	22
Total Organic Carbon	0.2	mg/L	1.1	2.5
Hardness	1.0	mg/L CaCO <sub>3</sub>	130	130
Calcium	0.03	mg/L	27	28
Magnesium	0.006	mg/L	15	16
Fluoride	0.2	mg/L	1.1	
Total Aluminium	1.0	µg/L	24	530
Dissolved Aluminium	1.0	µg/L	24	14
Total Iron	5	µg/L	<5.0	1,100
Dissolved Iron	0.1	µg/L	<0.10	24
Total Manganese	0.5	µg/L	1.2	91
Dissolved Manganese	0.1	µg/L	0.19	0.78