

DATE OF ISSUE: 4/04/24

REPORT NO: WN240473


## Water Analysis Report

<b>REPORT NO:</b>	<b>WN240473</b>	<b>ISSUE DATE:</b>	<b>4/04/24</b>
<b>DATE SAMPLES RECEIVED:</b>	<b>5/03/24</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: 

Sarah Morison  
Coordinator Analytical Services



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



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ANALYSIS RESULTS				
			1	2
Test Description	LOR	UNITS	RVC Finished Water	RVC Raw Water
Date Sampled		Date	5/03/2024	5/03/2024
Sampled By			AH	CC
Time Sampled		Time	10:50AM	08:50AM
Total coliforms in water	1	MPN/100 mL	<1	12,000
E.Coli in water	1	MPN/100 mL	<1	190
Heterotrophic Plate Count_HPC	2	MPN	<2	5,800
pH		pH units	7.7	7.9
TDS <sub>(calc)</sub>	6	mg/L	240	160
Electrical Conductivity	10	µS/cm	360	240
Alkalinity	14	mg/L CaCO <sub>3</sub>	93	98
Turbidity	0.07	NTU	0.10	46
Apparent colour	1	CU	1.9	150
True Colour	1	CU	1.4	51
Total Suspended Solids	1.0	mg/L	<1.0	40
Total Organic Carbon	0.2	mg/L	5.0	9.0
Dissolved Organic Carbon	0.2	mg/L	4.0	8.0
Nitrite Nitrogen	0.01	mg/L	<0.01	<0.01
Nitrate Nitrogen	0.02	mg/L	0.13	0.097
Total Phosphorus	0.03	mg/L	<0.03	0.17
Hardness	1.0	mg/L CaCO <sub>3</sub>	82	80
Calcium	0.03	mg/L	17	16
Magnesium	0.006	mg/L	9.7	9.5
Total Aluminium	0.001	mg/L	0.018	2.3
Dissolved Aluminium	0.001	mg/L	0.018	0.11
Total Iron	0.005	mg/L	<0.0050	3.3
Dissolved Iron	0.0001	mg/L	0.0026	0.41
Total Manganese	0.0005	mg/L	0.0024	0.097
Dissolved Manganese	0.0001	mg/L	0.0020	0.011

## LABORATORY NOTES

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

As requested, testing for THM will be performed by Envirolab, and testing for MIB/Geosmin will be performed by SAS. Results will be forwarded when received by AgEnviro Laboratory.

- 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 10 working days 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