

DATE OF ISSUE: 14/02/24

REPORT NO: WN240180

## Water Analysis Report

<b>REPORT NO:</b>	<b>WN240180</b>	<b>ISSUE DATE:</b>	<b>14/02/24</b>
<b>DATE SAMPLES RECEIVED:</b>	<b>30/01/24</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
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



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ANALYSIS RESULTS				
			1	2
Test Description	LOR	UNITS	RVC Finished Water	RVC Raw Water
Date Sampled		Date	30/01/24	30/01/24
Sampled By			AH	AH
Time Sampled		Time	09:55AM	09:55AM
Total coliforms in water	1	MPN/100 mL	<1	17,000
E.Coli in water	1	MPN/100 mL	<1	250
Heterotrophic Plate Count_HPC	2	MPN	<2	
pH		pH units	7.3	7.3
TDS <sub>(calc)</sub>	6	mg/L	220	130
Electrical Conductivity	10	µS/cm	330	190
Alkalinity	14	mg/L CaCO <sub>3</sub>	80	79
Turbidity	0.07	NTU	0.12	53
Apparent colour	1	CU	[NT]	[NT]
True Colour	1	CU	[NT]	[NT]
Total Suspended Solids	1.0	mg/L	1.5	49
Hardness	1.0	mg/L CaCO <sub>3</sub>	54	63
Calcium	0.03	mg/L	11	13
Magnesium	0.006	mg/L	6.3	7.4
Total Organic Carbon	0.2	mg/L	4.5	14
Total Aluminium	0.001	mg/L	0.025	2.9
Dissolved Aluminium	0.001	mg/L	0.022	0.53
Total Iron	0.005	mg/L	<0.0050	3.9
Dissolved Iron	0.0001	mg/L	0.0014	0.77
Total Manganese	0.0005	mg/L	0.0033	0.069
Dissolved Manganese	0.0001	mg/L	0.0014	0.0053

## LABORATORY NOTES

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

Unable to analyse colour due to equipment breakdown.

- 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