

DATE OF ISSUE: 12/01/23

REPORT NO: WN222603

## Water Analysis Report

<b>REPORT NO:</b>	<b>WN222603</b>	<b>ISSUE DATE:</b>	<b>12/01/23</b>
<b>DATE SAMPLES RECEIVED:</b>	<b>20/12/22</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

**\*\*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: 

Steven Leahy  
Chemist

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	20/12/2022	20/12/2022
Sampled By			GK	GK
Time Sampled		Time		11:15:00
Total coliforms in water	1	MPN/100 mL	<1	1,300
E.Coli in water	1	MPN/100 mL	<1	21
Heterotrophic Plate Count_HPC	2	MPN	<2	3,250
pH		pH units	7.7	8.0
TDS <sub>(calc)</sub>	6	mg/L	300	250
Electrical Conductivity	10	µS/cm	450	380
Alkalinity	14	mg/L CaCO <sub>3</sub>	140	150
Turbidity	0.07	NTU	0.10	20
Apparent colour	1	CU	<1	126
True Colour	1	CU	<1.0	8.8
Total Suspended Solids	1.0	mg/L	<1.0	25
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	1.2	2.6
Total Aluminium	1.0	µg/L	38	670
Dissolved Aluminium	1.0	µg/L	38	17
Total Iron	5	µg/L	<5.0	1,300
Dissolved Iron	0.1	µg/L	2.8	20
Total Manganese	0.5	µg/L	0.86	120
Dissolved Manganese	0.1	µg/L	0.71	24