

DATE OF ISSUE: 6/03/23

REPORT NO: WN230347


## Water Analysis Report

<b>REPORT NO:</b>	WN230347	<b>ISSUE DATE:</b>	6/03/23
<b>DATE SAMPLES RECEIVED:</b>	28/02/23	<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
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:   
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	28/02/23	28/02/23
Sampled By			AH	RG
Time Sampled		Time	11:15	10:00
Total coliforms in water	1	MPN/100 mL	<1	1,700
E.Coli in water	1	MPN/100 mL	<1	70
Heterotrophic Plate Count_HPC	2	MPN	<2	>1,146
pH		pH units	7.6	7.8
TDS <sub>(calc)</sub>	6	mg/L	310	250
Electrical Conductivity	10	µS/cm	470	380
Alkalinity	14	mg/L CaCO <sub>3</sub>	130	140
Turbidity	0.07	NTU	0.078	21
Apparent colour	1	CU	<1	140
True Colour	1	CU	<1	9.6
Total Suspended Solids	1.0	mg/L	<1.0	18
Hardness	1.0	mg/L CaCO <sub>3</sub>	150	150
Calcium	0.03	mg/L	30	30
Magnesium	0.006	mg/L	17	17
Total Organic Carbon	0.2	mg/L	1.3	3.0
Total Aluminium	1.0	µg/L	80	710
Dissolved Aluminium	1.0	µg/L	27	20
Total Iron	5	µg/L	<5	1,200
Dissolved Iron	0.1	µg/L	0.44	21
Total Manganese	0.5	µg/L	2.0	130
Dissolved Manganese	0.1	µg/L	1.3	68

## LABORATORY NOTES

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

### RVC Raw & Finished Weekly

- 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