

DATE OF ISSUE: 29/05/23

REPORT NO: WN230916


## Water Analysis Report

<b>REPORT NO:</b>	<b>WN230916</b>	<b>ISSUE DATE:</b>	<b>29/05/23</b>
<b>DATE SAMPLES RECEIVED:</b>	<b>17/05/23</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: 

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	16/05/2023	16/05/2023
Sampled By			RG	RG
Time Sampled		Time	9:45:00	8:45:00
Total coliforms in water	1	MPN/100 mL	<1	1,100
E.Coli in water	1	MPN/100 mL	<1	67
Heterotrophic Plate Count_HPC	2	MPN	<2	>738
pH		pH units	7.6	7.9
TDS <sub>(calc)</sub>	6	mg/L	280	230
Electrical Conductivity	10	µS/cm	410	340
Alkalinity	14	mg/L CaCO <sub>3</sub>	140	150
Turbidity	0.07	NTU	0.14	11
Apparent colour	1	CU	<1.0	68
True Colour	1	CU	<1.0	5.9
Total Suspended Solids	1.0	mg/L	<1.0	11
Hardness	1.0	mg/L CaCO <sub>3</sub>	140	140
Calcium	0.03	mg/L	27	27
Magnesium	0.006	mg/L	16	16
Total Organic Carbon	0.2	mg/L	1.1	2.2
Total Aluminium	1.0	µg/L	41	240
Dissolved Aluminium	1.0	µg/L	26	4.2
Total Iron	5	µg/L	8.7	540
Dissolved Iron	0.1	µg/L	0.52	8.2
Total Manganese	0.5	µg/L	2.5	77
Dissolved Manganese	0.1	µg/L	1.5	56

## LABORATORY NOTES

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

- 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