

DATE OF ISSUE: 7/11/23

REPORT NO: WN232106


## Water Analysis Report

<b>REPORT NO:</b>	WN232106	<b>ISSUE DATE:</b>	7/11/23
<b>DATE SAMPLES RECEIVED:</b>	17/10/23	<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	17/10/23	17/10/23
Sampled By			RG	CC
Time Sampled		Time	11:40AM	09:40AM
Total coliforms in water	1	MPN/100 mL	<1	650
E.Coli in water	1	MPN/100 mL	<1	24
Heterotrophic Plate Count_HPC	2	MPN	<2	
pH		pH units	7.6	7.7
TDS <sub>(calc)</sub>	6	mg/L	300	280
Electrical Conductivity	10	µS/cm	450	410
Alkalinity	14	mg/L CaCO <sub>3</sub>	150	160
Turbidity	0.07	NTU	0.13	6.7
Apparent colour	1	CU	1.3	43
True Colour	1	CU	<1.0	6.9
Total Suspended Solids	1.0	mg/L	<1.0	8.0
Hardness	1.0	mg/L CaCO <sub>3</sub>	140	140
Calcium	0.03	mg/L	28	28
Magnesium	0.006	mg/L	16	16
Total Organic Carbon	0.2	mg/L	1.8	2.9
Total Aluminium	0.001	mg/L	0.034	0.24
Dissolved Aluminium	0.001	mg/L	0.034	0.0098
Total Iron	0.005	mg/L	<0.0050	0.45
Dissolved Iron	0.0001	mg/L	0.0021	0.019
Total Manganese	0.0005	mg/L	0.0020	0.42
Dissolved Manganese	0.0001	mg/L	0.00058	0.22

## LABORATORY NOTES

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

- 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 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