

DATE OF ISSUE: 2/02/24

REPORT NO: WN240034


Water Analysis Report

REPORT NO:	WN240034	ISSUE DATE:	2/02/24
DATE SAMPLES RECEIVED:	9/01/24	PURCHASE ORDER:	
SAMPLES RECEIVED:	2	COMMENT:	Results relate only to items tested.

SUBMITTER:	David Cash
COMPANY:	Richmond Valley Council
ADDRESS:	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	09/01/24	09/01/24
Sampled By			RG	RG
Time Sampled		Time	10:45AM	10:45AM
Total coliforms in water	1	MPN/100 mL	<1	8,900
E.Coli in water	1	MPN/100 mL	<1	110
Heterotrophic Plate Count_HPC	2	MPN	<2	
pH		pH units	7.7	7.6
TDS _(calc)	6	mg/L	230	150
Electrical Conductivity	10	µS/cm	340	220
Alkalinity	14	mg/L CaCO ₃	100	89
Turbidity	0.07	NTU	0.096	24
Apparent colour	1	CU	1.5	140
True Colour	1	CU	1.3	28
Total Suspended Solids	1.0	mg/L	1.5	16
Hardness	1.0	mg/L CaCO ₃	79	78
Calcium	0.03	mg/L	16	16
Magnesium	0.006	mg/L	9.3	9.2
Total Organic Carbon	0.2	mg/L	2.0	5.1
Total Aluminium	0.001	mg/L	0.018	1.5
Dissolved Aluminium	0.001	mg/L	0.018	0.10
Total Iron	0.005	mg/L	<0.0050	2.1
Dissolved Iron	0.0001	mg/L	0.0020	0.21
Total Manganese	0.0005	mg/L	0.0019	0.078
Dissolved Manganese	0.0001	mg/L	0.00082	0.0044

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 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