

DATE OF ISSUE: 15/01/24

REPORT NO: WN240009

Water Analysis Report

REPORT NO:	WN240009	ISSUE DATE:	15/01/24
DATE SAMPLES RECEIVED:	2/01/24	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
W110	Organic Carbon in water
W151	Nitrite Nitrogen by FIA
W153	Oxidised Nitrogen by FIA
W161	Total Phosphorus or Total Dissolved Phosphorus in water
C804	Hardness
M670	Elements and Metals by ICP-AES
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



Wollongbar Agricultural Institute (WAAI)
1243 Bruxner Hwy
Wollongbar NSW 2477
T: 02 6626 1103
E: wollongbar.csu@dpi.nsw.gov.au
W: www.dpi.nsw.gov.au

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ANALYSIS RESULTS				
			1	2
Test Description	LOR	UNITS	RVC Finished Water	RVC Raw Water
Date Sampled		Date	2/01/2024	2/01/2024
Sampled By			RG	CC
Time Sampled		Time	10:30AM	08:45AM
Total coliforms in water	1	MPN/100 mL	<1	>241,900
E.Coli in water	1	MPN/100 mL	<1	13,000
Heterotrophic Plate Count_HPC	2	MPN	<2	>73,800
pH		pH units	7.5	7.0
TDS _(calc)	6	mg/L	230	72
Electrical Conductivity	10	µS/cm	350	110
Alkalinity	14	mg/L CaCO ₃	74	37
Turbidity	0.07	NTU	0.15	390
Apparent colour	1	CU	1.7	2,300
True Colour	1	CU	<1.0	100
Total Suspended Solids	1.0	mg/L	<1.0	620
Total Organic Carbon	0.2	mg/L	3.7	13
Dissolved Organic Carbon	0.2	mg/L	3.7	13
Nitrite Nitrogen	0.01	mg/L	<0.01	<0.01
Nitrate Nitrogen	0.02	mg/L	0.28	0.20
Total Phosphorus	0.03	mg/L	0.039	1.0
Hardness	1.0	mg/L CaCO ₃	78	31
Calcium	0.03	mg/L	17	6.7
Magnesium	0.006	mg/L	9.0	3.5
Total Aluminium	0.001	mg/L	0.019	12
Dissolved Aluminium	0.001	mg/L	0.017	0.91
Total Iron	0.005	mg/L	<0.0050	25
Dissolved Iron	0.0001	mg/L	0.0026	0.88
Total Manganese	0.0005	mg/L	0.0045	0.71
Dissolved Manganese	0.0001	mg/L	0.0013	0.031

LABORATORY NOTES

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

As requested, testing for VHC & OC/OP will be performed by Envirolab, and testing for MIB/Geosmin will be performed by SAS. Results will be forwarded when received by AgEnviro Laboratory.

- 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