

DATE OF ISSUE: 23/04/24

REPORT NO: WN240647


Water Analysis Report

REPORT NO:	WN240647	ISSUE DATE:	23/04/24
DATE SAMPLES RECEIVED:	26/03/24	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



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

DATE OF ISSUE: 23/04/24

REPORT NO: WN240647

ANALYSIS RESULTS				
			1	2
Test Description	LOR	UNITS	RVC Finished Water	RVC Raw Water
Date Sampled		Date	26/03/24	26/03/24
Sampled By			RG	CC
Time Sampled		Time	10:50AM	09:00AM
Total coliforms in water	1	MPN/100 mL	<1	8,600
E.Coli in water	1	MPN/100 mL	<1	230
Heterotrophic Plate Count_HPC	2	MPN	<2	
pH		pH units	7.9	7.9
TDS _(calc)	6	mg/L	210	150
Electrical Conductivity	10	µS/cm	310	220
Alkalinity	14	mg/L CaCO ₃	91	96
Turbidity	0.07	NTU	0.12	28
Apparent colour	1	CU	<1.0	210
True Colour	1	CU	<1.0	32
Total Suspended Solids	1.0	mg/L	<1.0	32
Hardness	1.0	mg/L CaCO ₃	71	76
Calcium	0.03	mg/L	15	16
Magnesium	0.006	mg/L	8.4	9.0
Total Organic Carbon	0.2	mg/L	3.0	7.0
Total Aluminium	0.001	mg/L	0.044	1.9
Dissolved Aluminium	0.001	mg/L	0.013	0.036
Total Iron	0.005	mg/L	<0.0050	2.7
Dissolved Iron	0.0001	mg/L	0.00041	0.16
Total Manganese	0.0005	mg/L	0.0020	0.077
Dissolved Manganese	0.0001	mg/L	0.00065	0.010

LABORATORY NOTES

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

As requested, testing for TOC will be performed by Envirolab. 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