

DATE OF ISSUE: 13/11/23

REPORT NO: WN232250


Water Analysis Report

REPORT NO:	WN232250	ISSUE DATE:	13/11/23
DATE SAMPLES RECEIVED:	31/10/23	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	WTP Finished Water	WTP Raw Water
Date Sampled		Date	31/10/23	31/10/23
Sampled By			RG	CC
Time Sampled		Time	11:30AM	10:00AM
Total coliforms in water	1	MPN/100 mL	<1	1,300
E.Coli in water	1	MPN/100 mL	<1	49
Heterotrophic Plate Count_HPC	2	MPN	<2	
pH		pH units	7.4	7.8
TDS _(calc)	6	mg/L	270	240
Electrical Conductivity	10	µS/cm	400	360
Alkalinity	14	mg/L CaCO ₃	140	140
Turbidity	0.07	NTU	0.13	12
Apparent colour	1	CU	1.6	68
True Colour	1	CU	<1.0	10
Total Suspended Solids	1.0	mg/L	<1.0	14
Hardness	1.0	mg/L CaCO ₃	130	130
Calcium	0.03	mg/L	27	27
Magnesium	0.006	mg/L	15	15
Total Organic Carbon	0.2	mg/L	3.7	2.4
Total Aluminium	0.001	mg/L	0.038	0.42
Dissolved Aluminium	0.001	mg/L	0.034	0.0040
Total Iron	0.005	mg/L	<0.0050	0.77
Dissolved Iron	0.0001	mg/L	0.0014	0.040
Total Manganese	0.0005	mg/L	0.0019	0.19
Dissolved Manganese	0.0001	mg/L	0.00042	0.098

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