

DATE OF ISSUE: 20/01/23

REPORT NO: WN230035

Water Analysis Report

REPORT NO:	WN230035	ISSUE DATE:	20/01/23
DATE SAMPLES RECEIVED:	11/01/23	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
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

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

LABORATORY NOTES

RVC Raw & Finished Quarterly

As requested, testing for VHC, THM, OC & OP will be performed by Envirolab. Testing for MIB GEOSMIN will be performed by SAS Lab

- 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. Samples will then be discarded.
- Clients wishing to recover their samples must contact the laboratory within this period.
- This laboratory will return residual samples at client expense.

Accreditation No. 14173
Accredited for compliance with
ISO/IEC 17025 - Testing



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Approved for Release by: 

Steven Leahy
Chemist

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ANALYSIS RESULTS				
			1	2
Test Description	LOR	UNITS	RVC Finished Water	RVC Raw Water
Date Sampled		Date	10/01/2023	10/01/2023
Sampled By			MM	AH
Time Sampled		Time	11:15:00	11:00:00
Total coliforms in water	1	MPN/100 mL	<1	4,500
E.Coli in water	1	MPN/100 mL	<1	120
Heterotrophic Plate Count_HPC	2	MPN	<2	>738
pH		pH units	7.6	7.7
TDS _(calc)	6	mg/L	220	160
Electrical Conductivity	10	µS/cm	320	240
Alkalinity	14	mg/L CaCO ₃	82	88
Turbidity	0.07	NTU	0.16	38
Apparent colour	1	CU	<1	217
True Colour	1	CU	<1.0	39
Total Suspended Solids	1.0	mg/L	<1.0	26
Total Organic Carbon	0.2	mg/L	2.0	5.1
Dissolved Organic Carbon	0.2	mg/L	2.0	4.6
Nitrite Nitrogen	0.01	mg/L	<0.010	0.086
Nitrate Nitrogen	0.02	mg/L	0.15	0.063
Total Phosphorus	0.03	mg/L	<0.030	0.18
Hardness	1.0	mg/L CaCO ₃	84	82
Calcium	0.03	mg/L	17	17
Magnesium	0.006	mg/L	9.9	9.6
Total Aluminium	1.0	µg/L	20	2,500
Dissolved Aluminium	1.0	µg/L	20	320
Total Iron	5	µg/L	<5.0	3,100
Dissolved Iron	0.1	µg/L	0.98	280
Total Manganese	0.5	µg/L	2.2	91
Dissolved Manganese	0.1	µg/L	1.5	22