

DATE OF ISSUE: 9/05/23

REPORT NO: WN230766


Water Analysis Report

REPORT NO:	WN230766	ISSUE DATE:	9/05/23
DATE SAMPLES RECEIVED:	27/04/23	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	RVC Finished Water	RVC Raw Water
Date Sampled		Date	27/04/2023	27/04/2023
Sampled By			RG	RG
Time Sampled		Time	11:30:00	11:15:00
Total coliforms in water	1	MPN/100 mL	<1	>2,400
E.Coli in water	1	MPN/100 mL	<1	130
Heterotrophic Plate Count_HPC	2	MPN	[NT]	
pH		pH units	7.5	8.0
TDS _(calc)	6	mg/L	300	230
Electrical Conductivity	10	µS/cm	450	350
Alkalinity	14	mg/L CaCO ₃	150	150
Turbidity	0.07	NTU	0.074	15
Apparent colour	1	CU	<1.0	100
True Colour	1	CU	<1.0	7.4
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	26
Magnesium	0.006	mg/L	16	15
Total Organic Carbon	0.2	mg/L	0.66	2.3
Total Aluminium	1.0	µg/L	36	760
Dissolved Aluminium	1.0	µg/L	36	12
Total Iron	5	µg/L	<5.0	1,000
Dissolved Iron	0.1	µg/L	2.2	6.6
Total Manganese	0.5	µg/L	0.99	81
Dissolved Manganese	0.1	µg/L	<0.10	21

LABORATORY NOTES

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

RVC Raw & Finished Weekly

HPC not run on sample 1 due to Thursday sample submission.

- 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