

DATE OF ISSUE: 9/11/22

REPORT NO: WN222039

Water Analysis Report

REPORT NO:	WN222039	ISSUE DATE:	9/11/22
DATE SAMPLES RECEIVED:	1/11/22	PURCHASE ORDER:	
SAMPLES RECEIVED:	2	COMMENT:	Results relate only to items tested.

SUBMITTER:	Robert Grill
COMPANY:	Richmond Valley Council
ADDRESS:	Locked Bag 10 CASINO NSW 2470,

METHOD ID	ANALYSIS METHOD
W107	EC, pH, Alkalinity & Chloride in water by autotitrator
C806	Calculations **
W111	Determination of True and Apparent Colour in Water
W112	Turbidity of water
C804	Hardness
M670	Elements and Metals by ICP-AES
W151	Nitrite Nitrogen by FIA
W153	Oxidised Nitrogen by FIA
W161	Total Phosphorus or Total Dissolved Phosphorus in water
W125	Anions in Water and Aqueous Extracts by Ion Chromatography
W110	Organic Carbon in water
W115	Total Suspended Solids and Fixed/Volatile Suspended Solids
MB402	E.Coli and Total Coliforms in Water
MB407	Heterotrophic Plate Count

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

LABORATORY NOTES

RVC Raw and Finished

Outsource THM's and MIB/Geosmin to Tweed Lab

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Industry recommended holding times from sampling to analysis of pH, EC and turbidity is <24 hours. Holding times have been exceeded which has an undetermined impact on results.

- 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
pH		pH units	7.7	7.9
TDS _(calc)	6	mg/L	240	170
Electrical Conductivity	10	µS/cm	350	250
Alkalinity	14	mg/L CaCO ₃	99	97
Apparent colour	1	CU	<1	208
True Colour	1	CU	<1.0	19
Turbidity	0.07	NTU	0.091	34
Hardness	1.0	mg/L CaCO ₃	90	93
Calcium	0.03	mg/L	19	19
Magnesium	0.006	mg/L	10	11
Nitrite Nitrogen	0.01	mg/L	<0.010	<0.010
Nitrate Nitrogen	0.02	mg/L	0.19	0.18
Total Phosphorus	0.03	mg/L	0.037	0.19
Fluoride	0.2	mg/L	0.96	
Total Organic Carbon	0.2	mg/L	1.3	3.0
Dissolved Organic Carbon	0.2	mg/L	1.1	2.8
Total Suspended Solids	1.0	mg/L	<1.0	38
Total Aluminium	0.05	mg/L	<0.05	1.5
Dissolved Aluminium	0.05	mg/L	<0.05	0.17
Total Iron	0.01	mg/L	<0.01	2.2
Dissolved Iron	0.003	mg/L	<0.003	0.21
Total Manganese	0.01	mg/L	<0.01	0.069
Dissolved Manganese	0.001	mg/L	<0.001	0.016
Total coliforms in water	1	MPN/100 mL	<1	8,400
E.Coli in water	1	MPN/100 mL	<1	130
Heterotrophic Plate Count_HPC	2	MPN	<2	7,550