

REPORT NO: WN232666

## Water Analysis Report

**REPORT NO:** WN232666 **ISSUE DATE:** 13/12/23

**DATE SAMPLES RECEIVED:** 5/12/23 **PURCHASE ORDER:**  
**SAMPLES RECEIVED:** 9 **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
W107	EC, pH, Alkalinity & Chloride in water by autotitrator
W112	Turbidity of water
M671	Elements and Metals by ICP-MS
W141	Ammonia Nitrogen by FIA
W151	Nitrite Nitrogen by FIA
W153	Oxidised Nitrogen by FIA
W111	Determination of True and Apparent Colour in Water

### 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	3	4	5	6	7	8	9
Test Description	LOR	UNITS	Woodburn Riverside Park	Rileys Hill Community Centre	Broadwater Community Centre	Evans Head School	Evans High Zone	Coraki Memorial Park	Casino Council Depot	Casino North Reservoir	Casino Walker Street
Date Sampled		Date	5/12/2023	5/12/2023	5/12/2023	5/12/2023	5/12/2023	5/12/2023	5/12/2023	5/12/2023	5/12/2023
Sampled By			MW	MW	MW	MW	MW	MW	MW	MW	MW
Time Sampled		Time	7:25:00 AM	7:40:00 AM	7:50:00 AM	8:20:00 AM	8:30:00 AM	10:25:00 AM	11:25:00 AM	11:05:00 AM	10:55:00 AM
Field Total Chlorine**	0.05	mg/L	0.66	0.56	0.65	0.86	0.51	0.74	0.95	1.4	1.3
Field Free Chlorine**	0.05	mg/L	0.60	0.40	0.61	0.58	0.45	0.63	0.81	1.2	1.0
Field pH**	1	pH units	7.2	7.5	7.4	7.5	7.5	7.6	7.5	7.4	7.4
Field Temperature**	1	°C	24.6	26.1	25.6	27.2	24.5	27.5	27.2	26.3	26.2
Field Turbidity**	0.07	NTU	0.18	0.28	0.25	0.30	0.23	0.26	0.38	0.28	0.29
Field Dissolved Oxygen** in %	1	%	101	103	104	104	101	104	91	95	90
Total Aluminium	0.001	mg/L							0.036	0.033	0.022
Total Iron	0.005	mg/L							0.012	0.013	<0.0050
Total Manganese	0.0005	mg/L							0.043	0.11	0.0042
Total Copper	0.0005	mg/L							0.066	0.0068	0.047
Total Lead	0.0005	mg/L							0.0012	<0.00050	0.0011
Total Zinc	0.001	mg/L							0.0080	0.0020	0.011
Ammonium Nitrogen	0.02	mg/L							<0.02	<0.02	<0.02
Nitrite Nitrogen	0.01	mg/L							<0.01	<0.01	<0.01
Nitrate Nitrogen	0.02	mg/L							<0.020	<0.020	<0.020
True Colour	1	CU							<1.0	<1.0	<1.0

## LABORATORY NOTES

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

As requested, testing for THM 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.

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- 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