

REPORT NO: WN231261

## Water Analysis Report


**REPORT NO:** WN231261 **ISSUE DATE:** 13/07/23

**DATE SAMPLES RECEIVED:** 5/07/23 **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 Showground	Casino North Reservoir	Casino Walker Street
Date Sampled		Date	4/07/2023	4/07/2023	4/07/2023	4/07/2023	4/07/2023	4/07/2023	4/07/2023	4/07/2023	4/07/2023
Sampled By			MW	MW	MW	MW	MW	MW	MW	MW	MW
Time Sampled		Time	8:30:00 AM	8:40:00 AM	8:55:00 AM	9:10:00 AM	9:25:00 AM	10:45:00 AM	11:10:00 AM	11:55:00 AM	11:35:00 AM
Field Total Chlorine**	0.05	mg/L	1.5	1.6	1.5	1.4	1.3	1.2	1.4	1.6	1.6
Field Free Chlorine**	0.05	mg/L	1.2	1.2	1.3	1.0	0.86	0.90	1.2	1.3	1.2
Field pH**	1	pH units	7.7	7.8	7.8	7.9	7.8	8.4	8.1	8.1	8.0
Field Temperature**	1	°C	18.0	16.8	16.3	17.8	17.0	19.0	16.5	15.0	18.2
Field Turbidity**	0.07	NTU	0.20	0.21	0.24	0.26	0.19	0.26	0.20	0.23	0.27
Field Dissolved Oxygen** in %	1	%	96	93	96	93	92	97	93	95	102
Total Aluminium	1.0	µg/L							21	35	33
Total Iron	5	µg/L							5.6	<5.0	<5.0
Total Manganese	0.5	µg/L							0.74	3.4	1.8
Total Copper	0.5	µg/L							5.9	2.6	5.0
Total Lead	0.5	µg/L							<0.50	<0.50	<0.50
Total Zinc	1	µg/L							2.2	1.2	4.6
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							0.049	0.032	0.030
True Colour	1	CU							<1.0	<1.0	<1.0

## LABORATORY NOTES

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

RVC Casino and Lower River Monthly

Samples outsourced to NSW Health Pathology for E.coli, TC and HPC analysis.

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Samples outsourced to Envirolab for THM analysis.

The report from the outsourced lab will be forwarded when received by AgEnviro laboratory.

- 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