

REPORT NO: WN231755

Water Analysis Report

REPORT NO: WN231755 **ISSUE DATE:** 14/09/23

DATE SAMPLES RECEIVED: 5/09/23 **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:



Veronica Barnett
Technical Officer



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 WWTP	Broadwater Community	Evans Head School	Evans High Zone	Coraki Memorial Park	Sextonville Rd	Casino North Res	Casino Walker Street
Date Sampled		Date	5/09/2023	5/09/2023	5/09/2023	5/09/2023	5/09/2023	5/09/2023	5/09/2023	5/09/2023	5/09/2023
Sampled By			MW	MW	MW	MW	MW	MW	MW	MW	MW
Time Sampled		Time	8:30:00 AM	8:45:00 AM	8:55:00 AM	9:05:00 AM	9:20:00 AM	10:35:00 AM	11:05:00 AM	11:35:00 AM	11:25:00 PM
Field Total Chlorine**	0.05	mg/L	1.3	1.1	1.3	1.4	1.1	1.0	0.99	1.3	1.2
Field Free Chlorine**	0.05	mg/L	1.1	0.84	1.0	1.0	0.90	0.77	0.73	0.88	0.93
Field pH**	1	pH units	7.4	7.5	7.4	7.5	7.5	8.4	7.6	7.7	7.6
Field Temperature**	1	°C	20.2	20.3	20.8	21.3	22.1	21.1	22.6	24.4	21.4
Field Turbidity**	0.07	NTU	0.26	0.22	0.17	0.21	0.16	0.25	0.27	0.29	0.24
Field Dissolved Oxygen** in %	1	%	96	95	97	97	101	96	97	93	94
Total Aluminium	0.001	mg/L							0.024	0.037	0.035
Total Iron	0.005	mg/L							<0.0050	<0.0050	<0.0050
Total Manganese	0.0005	mg/L							0.0014	0.0059	0.0040
Total Copper	0.0005	mg/L							<0.00050	<0.00050	0.0092
Total Lead	0.0005	mg/L							<0.00050	<0.00050	0.00065
Total Zinc	0.001	mg/L							<0.0010	<0.0010	0.012
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.

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

Samples outsourced to Envirolab for THM analysis.

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

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- 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.
- 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