

REPORT NO: WN240674

## Water Analysis Report

**REPORT NO:** WN240674 **ISSUE DATE:** 29/04/24

**DATE SAMPLES RECEIVED:** 2/04/24 **PURCHASE ORDER:**  
**SAMPLES RECEIVED:** 10 **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:   
Sarah Morison  
Coordinator Analytical Services



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                    | 10        |
| Test Description              | LOR    | UNITS    | Woodburn Riverside Park | Rileys Hill Community Centre | Broadwater Community Centre | Evans Head School | Evans High Zone | Coraki Memorial Park | Casino 15-17 Sheppard St | Casino North Reservoir | Casino Walker Street | Box Ridge |
| Date Sampled                  |        | Date     | 2/04/2024               | 2/04/2024                    | 2/04/2024                   | 2/04/2024         | 2/04/2024       | 2/04/2024            | 2/04/2024                | 2/04/2024              | 2/04/2024            | 2/04/2024 |
| Sampled By                    |        |          | MW                      | MW                           | MW                          | MW                | MW              | MW                   | MW                       | MW                     | MW                   | MW        |
| Time Sampled                  |        | Time     | 7:30:00 AM              | 7:45 AM                      | 7:55:00 AM                  | 8:10 AM           | 8:25 AM         | 9:50 AM              | 10:50 AM                 | 11:00 AM               | 10:35 AM             | 10:00 AM  |
| Field Total Chlorine**        | 0.05   | mg/L     | 0.94                    | 1.0                          | 1.2                         | 0.88              | 0.37            | 0.66                 | 1.2                      | 1.4                    | 1.1                  | 0.64      |
| Field Free Chlorine**         | 0.05   | mg/L     | 0.56                    | 0.60                         | 0.79                        | 0.56              | 0.29            | 0.49                 | 0.89                     | 1.1                    | 0.84                 | 0.45      |
| Field pH**                    | 1      | pH units | 7.6                     | 7.6                          | 7.8                         | 7.8               | 8.0             | 7.5                  | 7.3                      | 7.4                    | 7.2                  | 7.3       |
| Field Temperature**           | 1      | °C       | 23.6                    | 23.6                         | 23.0                        | 24.3              | 22.8            | 25.2                 | 25.4                     | 24.5                   | 24.7                 | 24.8      |
| Field Turbidity**             | 0.07   | NTU      | 0.37                    | 0.25                         | 0.35                        | 0.32              | 0.38            | 0.42                 | 0.33                     | 0.28                   | 0.32                 | 0.50      |
| Field Dissolved Oxygen** in % | 1      | %        | 97                      | 100                          | 100                         | 99                | 96              | 98                   | 101                      | 101                    | 100                  | 96        |
| Total Aluminium               | 0.001  | mg/L     |                         |                              |                             |                   |                 |                      | 0.023                    | 0.018                  | 0.018                |           |
| Total Iron                    | 0.005  | mg/L     |                         |                              |                             |                   |                 |                      | <0.0050                  | <0.0050                | <0.0050              |           |
| Total Manganese               | 0.0005 | mg/L     |                         |                              |                             |                   |                 |                      | 0.0059                   | 0.0052                 | 0.0047               |           |
| Total Copper                  | 0.0005 | mg/L     |                         |                              |                             |                   |                 |                      | 0.0045                   | 0.0085                 | 0.080                |           |
| Total Lead                    | 0.0005 | mg/L     |                         |                              |                             |                   |                 |                      | <0.00050                 | <0.00050               | 0.00051              |           |
| Total Zinc                    | 0.001  | mg/L     |                         |                              |                             |                   |                 |                      | 0.0023                   | 0.0016                 | 0.019                |           |
| 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     |                         |                              |                             |                   |                 |                      | 0.19                     | 0.18                   | 0.19                 |           |
| 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 10 working days 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