

DATE OF ISSUE: 29/04/24

REPORT NO: WN240723


Water Analysis Report

| | | | |
|-------------------------------|-----------------|------------------------|--------------------------------------|
| REPORT NO: | WN240723 | ISSUE DATE: | 29/04/24 |
| DATE SAMPLES RECEIVED: | 9/04/24 | PURCHASE ORDER: | |
| SAMPLES RECEIVED: | 2 | 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 |
|------------------|--|
| MB402 | E.Coli and Total Coliforms in Water |
| MB407 | Heterotrophic Plate Count |
| W107 | EC, pH, Alkalinity & Chloride in water by autotitrator |
| C806 | Calculations ** |
| W112 | Turbidity of water |
| W111 | Determination of True and Apparent Colour in Water |
| W115 | Total Suspended Solids and Fixed/Volatile Suspended Solids |
| C804 | Hardness |
| M670 | Elements and Metals by ICP-AES |
| W110 | Organic Carbon in water |
| M671 | Elements and Metals by ICP-MS |

REPORT AUTHORISATION

Approved for Release by: 
Steven Leahy
Chemist



Accreditation No. 14173
Accredited for compliance
with ISO/IEC 17025 - Testing



Wollongbar Agricultural Institute (WAAI)
1243 Bruxner Hwy
Wollongbar NSW 2477
T: 02 6626 1103
E: wollongbar.csu@dpi.nsw.gov.au
W: www.dpi.nsw.gov.au

DATE OF ISSUE: 29/04/24

REPORT NO: WN240723

| ANALYSIS RESULTS | | | | |
|-------------------------------|--------|------------------------|--------------------|---------------|
| | | | 1 | 2 |
| Test Description | LOR | UNITS | RVC Finished Water | RVC Raw Water |
| Date Sampled | | Date | 9/04/2024 | 9/04/2024 |
| Sampled By | | | AH | AH |
| Time Sampled | | Time | 10:35AM | 10:00AM |
| Total coliforms in water | 1 | MPN/100 mL | <1 | 52,000 |
| E.Coli in water | 1 | MPN/100 mL | <1 | 290 |
| Heterotrophic Plate Count_HPC | 2 | MPN | <2 | |
| pH | | pH units | 7.5 | 7.5 |
| TDS _(calc) | 6 | mg/L | 220 | 130 |
| Electrical Conductivity | 10 | µS/cm | 330 | 200 |
| Alkalinity | 14 | mg/L CaCO ₃ | 80 | 73 |
| Turbidity | 0.07 | NTU | 0.12 | 38 |
| Apparent colour | 1 | CU | <1.0 | 340 |
| True Colour | 1 | CU | <1.0 | 78 |
| Total Suspended Solids | 1.0 | mg/L | <1.0 | 59 |
| Hardness | 1.0 | mg/L CaCO ₃ | 60 | 61 |
| Calcium | 0.03 | mg/L | 12 | 13 |
| Magnesium | 0.006 | mg/L | 7.0 | 7.2 |
| Total Organic Carbon | 0.2 | mg/L | 3.0 | 11 |
| Total Aluminium | 0.001 | mg/L | 0.028 | 4.5 |
| Dissolved Aluminium | 0.001 | mg/L | 0.022 | 0.095 |
| Total Iron | 0.005 | mg/L | <0.0050 | 5.6 |
| Dissolved Iron | 0.0001 | mg/L | 0.0011 | 0.62 |
| Total Manganese | 0.0005 | mg/L | 0.0028 | 0.11 |
| Dissolved Manganese | 0.0001 | mg/L | 0.0015 | 0.0035 |

LABORATORY NOTES

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

- 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 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