

DATE OF ISSUE: 21/12/22

REPORT NO: WN222366

Water Analysis Report

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|-------------------------------|-----------------|------------------------|--------------------------------------|
| REPORT NO: | WN222366 | ISSUE DATE: | 21/12/22 |
| DATE SAMPLES RECEIVED: | 6/12/22 | 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 |
| W110 | Organic Carbon in water |
| W151 | Nitrite Nitrogen by FIA |
| W153 | Oxidised Nitrogen by FIA |
| W161 | Total Phosphorus or Total Dissolved Phosphorus in water |
| C804 | Hardness |
| M670 | Elements and Metals by ICP-AES |
| M671 | Elements and Metals by ICP-MS |

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

LABORATORY NOTES

RVC Raw & Finished Weekly + Monthly

Samples will be outsourced to Envirolab for THM and SAS Labs for MIB+Geosmin

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- 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. Samples will then be discarded.
- Clients wishing to recover their samples must contact the laboratory within this period.
- This laboratory will return residual samples at client expense.

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



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Approved for Release by: 

Steven Leahy
Chemist

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| ANALYSIS RESULTS | | | | |
|-------------------------------|-------|------------------------|--------------------|---------------|
| | | | 1 | 2 |
| Test Description | LOR | UNITS | RVC Finished Water | RVC Raw Water |
| Date Sampled | | Date | 6/12/22 | 6/12/22 |
| Sampled By | | | RG | RG |
| Time Sampled | | Time | 10:15 | 10:00 |
| MIB & Geosmin-T & O (Sub) | | | | 1 |
| Total coliforms in water | 1 | MPN/100 mL | <1 | 8,100 |
| E.Coli in water | 1 | MPN/100 mL | <1 | 150 |
| Heterotrophic Plate Count_HPC | 2 | MPN | <2 | 239 |
| pH | | pH units | 7.5 | 7.8 |
| TDS _(calc) | 6 | mg/L | 220 | 170 |
| Electrical Conductivity | 10 | µS/cm | 340 | 260 |
| Alkalinity | 14 | mg/L CaCO ₃ | 88 | 91 |
| Turbidity | 0.07 | NTU | 0.07 | 39 |
| Apparent colour | 1 | CU | <1 | 189 |
| True Colour | 1 | CU | <1.0 | 26 |
| Total Suspended Solids | 1.0 | mg/L | 4.0 | 41 |
| Total Organic Carbon | 0.2 | mg/L | 1.3 | 3.6 |
| Dissolved Organic Carbon | 0.2 | mg/L | 1.2 | 3.2 |
| Nitrite Nitrogen | 0.01 | mg/L | <0.010 | <0.010 |
| Nitrate Nitrogen | 0.02 | mg/L | 0.19 | 0.18 |
| Total Phosphorus | 0.03 | mg/L | <0.030 | 0.16 |
| Hardness | 1.0 | mg/L CaCO ₃ | 76 | 78 |
| Calcium | 0.03 | mg/L | 16 | 16 |
| Magnesium | 0.006 | mg/L | 9.0 | 9.3 |
| Total Aluminium | 1.0 | µg/L | 26 | 2,900 |
| Dissolved Aluminium | 1.0 | µg/L | 26 | 260 |
| Total Iron | 5 | µg/L | <5.0 | 3,800 |
| Dissolved Iron | 0.1 | µg/L | 1.4 | 220 |
| Total Manganese | 0.5 | µg/L | 2.0 | 91 |
| Dissolved Manganese | 0.1 | µg/L | 0.99 | 18 |