



## Certificate Of Analysis

**Client:** Richmond Valley Council  
**Address:** Locked Bag 10  
 Casino NSW 2470  
**Contact:** David Cash  
**Sampled by:** Gary Mead  
**Subcontract Laboratory:** UUQ (NATA 11085) / Envirolab (2901)  
**Subcontract Reference:** 19/04164 / 217219

Final report

**Report no:** 19/0752  
**Date received:** 7/05/2019  
**Testing commenced:** 7/05/2019  
**Date reported:** 20/05/2019  
**No. of samples:** 2  
**Revision no:** 00

*Analysis results apply to samples as received.*

Raw and Finished Mthly

Sample No.: Sample description:	Unit	Method	LOR	19/0752-1 RVC Finished Water 7/05/2019 11:30	19/0752-2 RVC Raw Water 7/05/2019 09:00
Date sampled: Time sampled:					
pH	pH	APHA4500H		7.7	7.8
Electrical Conductivity	µS/cm	APHA2510B	1	414	247
Total Dissolved Solids by calc	mg/L	APHA1030E	2	265	158
Dissolved Oxygen	mg/L	APHA4500OG	0.2	8.7	8.5
Fluoride - ISE	mg/L	APHA4500FC	0.05	1.11	[NA]
Colour (Apparent)	Pt-Co	RWL10.02	2	<2	34
Colour (True)	Pt-Co	RWL10.02	2	<2	16
Turbidity	NTU	APHA2130B	0.1	0.17	6.2
Aluminium (Total)	mg/L	APHA3120B	0.005	0.076	0.29
Aluminium (Dissolved)	mg/L	APHA3120B	0.005	0.068	0.036
Iron (Total)	mg/L	APHA3120B	0.005	<0.005	0.43
Iron (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.068
Manganese (Total)	mg/L	APHA3120B	0.005	<0.005	0.065



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<b>Sample No.:</b> <b>Sample description:</b>	<b>Unit</b>	<b>Method</b>	<b>LOR</b>	<b>19/0752-1</b> <b>RVC</b> <b>Finished</b> <b>Water</b> <b>7/05/2019</b> <b>11:30</b>	<b>19/0752-2</b> <b>RVC Raw</b> <b>Water</b> <b>7/05/2019</b> <b>09:00</b>
<b>Date sampled:</b>					
<b>Time sampled:</b>					
Manganese (Dissolved)	mg/L	APHA3120B	0.005	<0.005	<0.005
Alkalinity (as CaCO <sub>3</sub> )	mg/L	APHA2320B	20	103	88
Suspended Solids	mg/L	APHA2540D	1	2	7
Total Organic Carbon*	mg/L	Envirolab	1	2	4
Phosphorus - Total	mg/L	RWL 10.07	0.05	<0.05	0.08
Nitrogen - Nitrite-N	mg/L	RWL 10.05	0.01	<0.01	<0.01
Nitrogen - Nitrate-N	mg/L	RWL 10.05	0.05	<0.05	<0.05
Dissolved Organic Carbon*	mg/L	Envirolab	1	2	4
Total Trihalomethanes*	µg/L	Envirolab	1	14	[NA]
2-methylisoborneol*	ng/L	UUQ	2	[NA]	<2
Geosmin*	ng/L	UUQ	2	[NA]	<2
Calcium	mg/L	APHA3120B	0.1	15.5	16.3
Magnesium	mg/L	APHA3120B	0.1	10.1	10.5
Hardness as CaCO <sub>3</sub>	mg/L	APHA2340B	1	80	84
Total Coliforms	MPN/100mL	APHA9223B	1	<1	>2,420
<i>E. coli</i>	MPN/100mL	APHA9223B	1	<1	22
Heterotrophic Plate Count	MPN/mL	APHA9215E	2	uncertain	uncertain




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General comments: This report must not be reproduced except in full. This report relates to items tested as specified herein.  
Samples tested between date received and date reported. Accredited for compliance with ISO/IEC 17025 - Testing  
# NATA accreditation does not cover the performance of this service. Tests marked with \* are subcontracted.  
LOR denotes 'Limit of Reporting' < denotes less than; > denotes greater than; ND denotes 'not detected'  
The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards

Specific comments:

  
M Window  
Laboratory Analyst  
Approved Authoriser