



## Certificate Of Analysis

**Client:** Richmond Valley Council  
**Address:** Locked Bag 10  
Casino NSW 2470  
**Contact:** Aidan Macqueen  
**Sampled by:** Gary Mead  
**Subcontract Laboratory:** Envirolab (NATA 2901) / UUQ (NATA 11085)  
**Subcontract Reference:** 184877 / 18-01278B

Final report

**Report no:** 18/0202  
**Date received:** 6/02/2018  
**Testing commenced:** 6/02/2018  
**Date reported:** 28/02/2018  
**No. of samples:** 2  
**Revision no:** 01

*Analysis results apply to samples as received.*

Raw and Finished Mthly

Sample No.: Sample description:	Unit	Method	LOR	18/0202-1 RVC Finished Water 6/02/2018 10:00	18/0202-2 RVC Raw Water 6/02/2018 8:30
pH	pH	APHA4500H		7.1	7.9
Electrical Conductivity	µS/cm	APHA2510B	1	391	274
Total Dissolved Solids by calc	mg/L	APHA1030E	2	250	175
Dissolved Oxygen	mg/L	APHA4500OG	0.2	8.6	8.5
Fluoride - ISE	mg/L	APHA4500FC	0.05	1.02	[NA]
Colour (Apparent)	Pt-Co	RWL10.02	2	<2	74
Colour (True)	Pt-Co	RWL10.02	2	<2	21
Turbidity	NTU	APHA2130B	0.1	<0.10	11
Alkalinity (as CaCO3)	mg/L	APHA2320B	20	96	105
Suspended Solids	mg/L	APHA2540D	1	<1	12
Phosphorus - Total	mg/L	RWL 10.07	0.05	<0.05	0.12
Nitrogen - Nitrite-N	mg/L	RWL 10.05	0.01	<0.01	<0.01
Nitrogen - Nitrate-N	mg/L	RWL 10.05	0.05	0.06	<0.05



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<b>Sample No.:</b> <b>Sample description:</b>	<b>Unit</b>	<b>Method</b>	<b>LOR</b>	<b>18/0202-1</b> <b>RVC</b> <b>Finished</b> <b>Water</b> <b>6/02/2018</b> <b>10:00</b>	<b>18/0202-2</b> <b>RVC Raw</b> <b>Water</b> <b>6/02/2018</b> <b>8:30</b>
<b>Date sampled:</b>					
<b>Time sampled:</b>					
Total Organic Carbon*	mg/L	Envirolab	1	2	4
Dissolved Organic Carbon*	mg/L	Envirolab	1	2	3
Total Trihalomethanes*	µg/L	Envirolab	1	17	[NA]
2-methylisoborneol*	ng/L	UUQ	2	[NA]	<2
Geosmin*	ng/L	UUQ	2	[NA]	<2
Aluminium (Total)	mg/L	APHA3120B	0.005	0.067	0.80
Aluminium (Dissolved)	mg/L	APHA3120B	0.005	0.059	0.10
Iron (Total)	mg/L	APHA3120B	0.005	<0.005	0.77
Iron (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.10
Manganese (Total)	mg/L	APHA3120B	0.005	<0.005	0.044
Manganese (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.007
Calcium	mg/L	APHA3120B	0.1	20.9	19.9
Magnesium	mg/L	APHA3120B	0.1	13.2	12.6
Hardness as CaCO <sub>3</sub>	mg/L	APHA2340B	1	107	102
Total Coliforms	MPN/100mL	APHA9223B	1	<1	5,702
<i>E. coli</i>	MPN/100mL	APHA9223B	1	<1	73
Heterotrophic Plate Count	MPN/mL	APHA9215E	2	<2	1,720



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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.  
# NATA accreditation does not cover the performance of this service. Tests marked with \* are subcontracted.  
LOR denotes 'Limit of Reporting'

Specific comments:

A. Hawthorne  
Laboratory Manager  
Approved Authoriser