



## 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:** 200044 / 18/07854  
*Analysis results apply to samples as received.*

Final report

**Report no:** 18/1341  
**Date received:** 4/09/2018  
**Testing commenced:** 4/09/2018  
**Date reported:** 14/09/2018  
**No. of samples:** 2  
**Revision no:** 00

Raw and Finished Mthly

Sample No.: Sample description:  Date sampled: Time sampled:	Unit	Method	LOR	18/1341-1 RVC Finished Water 4/09/2018	18/1341-2 RVC Raw Water 4/09/2018
pH	pH	APHA4500H		7.4	7.8
Electrical Conductivity	µS/cm	APHA2510B	1	352	321
Total Dissolved Solids by calc	mg/L	APHA1030E	2	225	205
Dissolved Oxygen	mg/L	APHA4500OG	0.2	9.6	9.4
Fluoride - ISE	mg/L	APHA4500FC	0.05	1.06	[NA]
Colour (Apparent)	Pt-Co	RWL10.02	2	<2	22
Colour (True)	Pt-Co	RWL10.02	2	<2	9
Turbidity	NTU	APHA2130B	0.1	0.23	4.0
Aluminium (Total)	mg/L	APHA3120B	0.005	0.20	0.29
Aluminium (Dissolved)	mg/L	APHA3120B	0.005	0.076	0.019
Iron (Total)	mg/L	APHA3120B	0.005	0.005	0.29
Iron (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.015
Manganese (Total)	mg/L	APHA3120B	0.005	<0.005	0.035



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<b>Sample No.:</b> <b>Sample description:</b>  <b>Date sampled:</b> <b>Time sampled:</b>	<b>Unit</b>	<b>Method</b>	<b>LOR</b>	<b>18/1341-1</b> <b>RVC</b> <b>Finished</b> <b>Water</b> <b>4/09/2018</b>	<b>18/1341-2</b> <b>RVC Raw</b> <b>Water</b> <b>4/09/2018</b>
Manganese (Dissolved)	mg/L	APHA3120B	0.005	<0.005	<0.005
Alkalinity (as CaCO <sub>3</sub> )	mg/L	APHA2320B	20	103	122
Suspended Solids	mg/L	APHA2540D	1	2	6
Total Organic Carbon*	mg/L	Envirolab	1	2	3
Phosphorus - Total	mg/L	RWL 10.07	0.05	<0.05	0.05
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
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
Calcium	mg/L	APHA3120B	0.1	24.4	24.7
Magnesium	mg/L	APHA3120B	0.1	15.6	15.5
Hardness as CaCO <sub>3</sub>	mg/L	APHA2340B	1	125	126
Total Coliforms	MPN/100mL	APHA9223B	1	<1	921
<i>E. coli</i>	MPN/100mL	APHA9223B	1	<1	24
Heterotrophic Plate Count	MPN/mL	APHA9215E	2	<2	132



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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