



## Certificate Of Analysis

**Client:** Richmond Valley Council

**Address:** Locked Bag 10  
Casino NSW 2470

**Contact:** David Cash

**Sampled by:** Gary Mead

**Subcontract Laboratory:** Envirolab (NATA2901)

**Subcontract Reference:** 218234

*Analysis results apply to samples as received.*

Final report

Raw and Finished Weekly

**Report no:** 19/0836

**Date received:** 21/05/2019

**Testing commenced:** 21/05/2019

**Date reported:** 5/06/2019

**No. of samples:** 2

**Revision no:** 00

Sample No.: Sample description:	Unit	Method	LOR	19/0836-1 RVC Finished Water 21/05/2019 11:00	19/0836-2 RVC Raw Water 21/05/2019 09:00
pH	pH	APHA4500H		7.3	7.6
Electrical Conductivity	µS/cm	APHA2510B	1	382	261
Total Dissolved Solids by calc	mg/L	APHA1030E	2	244	167
Dissolved Oxygen	mg/L	APHA4500OG	0.2	8.9	7.8
Fluoride - ISE	mg/L	APHA4500FC	0.05	1.11	[NA]
Colour (Apparent)	Pt-Co	RWL10.02	2	<2	26
Colour (True)	Pt-Co	RWL10.02	2	<2	10
Turbidity	NTU	APHA2130B	0.1	0.11	3.3
Alkalinity (as CaCO <sub>3</sub> )	mg/L	APHA2320B	20	97	91
Suspended Solids	mg/L	APHA2540D	1	1	2
Total Organic Carbon*	mg/L	Envirolab	1	2	3
Aluminium (Total)	mg/L	APHA3120B	0.005	0.052	0.13
Aluminium (Dissolved)	mg/L	APHA3120B	0.005	0.045	0.005



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Iron (Total)	mg/L	APHA3120B	0.005	<0.005	0.25
Iron (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.028
Manganese (Total)	mg/L	APHA3120B	0.005	<0.005	0.036
Manganese (Dissolved)	mg/L	APHA3120B	0.005	<0.005	<0.005
Calcium	mg/L	APHA3120B	0.1	14.9	15.5
Magnesium	mg/L	APHA3120B	0.1	9.6	9.8
Hardness as CaCO <sub>3</sub>	mg/L	APHA2340B	1	77	79
Total Coliforms	MPN/100mL	APHA9223B	1	<1	1,100
<i>E.coli</i>	MPN/100mL	APHA9223B	1	<1	40
Heterotrophic Plate Count	MPN/mL	APHA9215E	2	<2	3,000

**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