



## Certificate Of Analysis

**Client:** Richmond Valley Council  
**Address:** Locked Bag 10  
Casino NSW 2470  
**Contact:** Sandeep Chugh  
**Sampled by:** Gary Mead  
**Subcontract Laboratory:** Envirolab (NATA2901)  
**Subcontract Reference:** 231897

Final report

**Report no:** 19/1991  
**Date received:** 27/11/2019  
**Testing commenced:** 27/11/2019  
**Date reported:** 9/12/2019  
**No. of samples:** 2  
**Revision no:** 00

*Analysis results apply to samples as received.*

Raw and Finished Weekly

Sample No.: Sample description:	Unit	Method	LOR	19/1991-1 RVC Finished Water 27/11/2019 13:50	19/1991-2 RVC Raw Water 27/11/2019
Date sampled: Time sampled:					
pH	pH	APHA4500H		7.4	7.9
Electrical Conductivity	µS/cm	APHA2510B	1	485	374
Total Dissolved Solids by calc	mg/L	APHA1030E	2	310	239
Dissolved Oxygen	mg/L	APHA4500OG	0.2	8.3	8.1
Fluoride - ISE	mg/L	APHA4500FC	0.05	1.08	[NA]
Colour (Apparent)	Pt-Co	RWL10.02	2	3	71
Colour (True)	Pt-Co	RWL10.02	2	<2	14
Turbidity	NTU	APHA2130B	0.1	0.21	8.0
Alkalinity (as CaCO <sub>3</sub> )	mg/L	APHA2320B	20	115	132
Suspended Solids	mg/L	APHA2540D	1	<1	13
Total Organic Carbon*	mg/L	Envirolab	1	2	4
Aluminium (Total)	mg/L	APHA3120B	0.005	0.030	0.11
Aluminium (Dissolved)	mg/L	APHA3120B	0.005	0.024	<0.005



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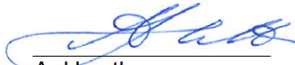
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Sample No.: Sample description:  Date sampled: Time sampled:	Unit	Method	LOR	19/1991-1 RVC Finished Water 27/11/2019 13:50	19/1991-2 RVC Raw Water 27/11/2019
Iron (Total)	mg/L	APHA3120B	0.005	0.01	0.34
Iron (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.015
Manganese (Total)	mg/L	APHA3120B	0.005	0.008	0.28
Manganese (Dissolved)	mg/L	APHA3120B	0.005	<0.005	<0.005
Calcium	mg/L	APHA3120B	0.1	26.4	25.7
Magnesium	mg/L	APHA3120B	0.1	15.3	14.8
Hardness as CaCO <sub>3</sub>	mg/L	APHA2340B	1	129	125
Total Coliforms	MPN/100mL	APHA9223B	1	<1	39,726
<i>E.coli</i>	MPN/100mL	APHA9223B	1	<1	12
Heterotrophic Plate Count	MPN/mL	APHA9215E	2	<2	7,840

**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:**

  
 A. Hawthorne  
 Laboratory Manager  
 Approved Authoriser