



## Certificate Of Analysis

<b>Client:</b>	Richmond Valley Council	<b>Report No.:</b>	18/0386
<b>Address:</b>	Locked Bag 10 Casino NSW 2470	<b>Revision No.</b>	00
<b>Contact:</b>	Aidan Macqueen	<b>Date received:</b>	6/03/2018
<b>Sampled by:</b>	Gary Mead	<b>Date commenced:</b>	6/03/2018
<b>Subcontract Lab:</b>	Envirolab (NATA 2901) / UUQ (NATA 11085)	<b>Date reported:</b>	23/03/2018
<b>Subcontract Ref:</b>	186893 / 18/02226-B	<b>No. of samples:</b>	2

*Samples analysed as received.*

1	Method No.	Limit of Reporting	Unit	Result
<b>RVC Finished Water 6/03/2018</b>				
pH	APHA4500H		pH	7.3
Electrical Conductivity	APHA2510B	1	µS/cm	386
Total Dissolved Solids by calc	APHA1030E	2	mg/L	247
Dissolved Oxygen	APHA4500OG	0.2	mg/L	8.3
Fluoride - ISE	APHA4500FC	0.05	mg/L	1.12
Colour (Apparent)	RWL10.02	2	Pt-Co	<2
Colour (True)	RWL10.02	2	Pt-Co	<2
Turbidity	APHA2130B	0.1	NTU	0.11
Alkalinity (as CaCO <sub>3</sub> )	APHA2320B	20	mg/L	92
Suspended Solids	APHA2540D	1	mg/L	1
Phosphorus - Total	RWL 10.07	0.05	mg/L	<0.05
Nitrogen - Nitrite-N	RWL 10.05	0.01	mg/L	<0.01
Nitrogen - Nitrate-N	RWL 10.05	0.05	mg/L	0.19
Total Organic Carbon*	Envirolab	1	mg/L	2
Dissolved Organic Carbon*	Envirolab	1	mg/L	2
Total Trihalomethanes*	Envirolab	1	µg/L	23
Aluminium (Total)	APHA3120B	0.005	mg/L	0.087
Aluminium (Dissolved)	APHA3120B	0.005	mg/L	0.087
Iron (Total)	APHA3120B	0.005	mg/L	<0.005
Iron (Dissolved)	APHA3120B	0.005	mg/L	<0.005
Manganese (Total)	APHA3120B	0.005	mg/L	<0.005
Manganese (Dissolved)	APHA3120B	0.005	mg/L	<0.005
Calcium	APHA3120B	0.1	mg/L	13.7
Magnesium	APHA3120B	0.1	mg/L	8.2
Hardness as CaCO <sub>3</sub>	APHA2340B	1	mg/L	68
Total Coliforms	APHA9223B	1	MPN/100mL	<1
<i>E. coli</i>	APHA9223B	1	MPN/100mL	<1
Heterotrophic Plate Count	APHA9215E	2	MPN/mL	<2

This is the Final Report

**Notes:**

This report must not be reproduced except in full.  
This report relates only to the items tested as specified herein.  
Samples analysed between date received and date reported.

A. Hawthorne  
Laboratory Manager  
Approved Authoriser

Accredited for compliance with ISO/IEC 17025.  
# NATA accreditation does not cover the performance of this service.  
Tests marked with a '\*' are subcontracted.  
LOR denotes 'Limit of Reporting'.



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**Report No.:** 18/0386 **cont.**

<b>2</b>	<b>Method No.</b>	<b>Limit of Reporting</b>	<b>Unit</b>	<b>Result</b>
<b>RVC Raw Water</b>				
<b>6/03/2018</b>				
pH	APHA4500H		pH	7.6
Electrical Conductivity	APHA2510B	1	µS/cm	197
Total Dissolved Solids by calc	APHA1030E	2	mg/L	126
Dissolved Oxygen	APHA4500OG	0.2	mg/L	8.0
Colour (Apparent)	RWL10.02	2	Pt-Co	98
Colour (True)	RWL10.02	2	Pt-Co	31
Turbidity	APHA2130B	0.1	NTU	26
Alkalinity (as CaCO3)	APHA2320B	20	mg/L	70
Suspended Solids	APHA2540D	1	mg/L	25
Phosphorus - Total	RWL 10.07	0.05	mg/L	0.17
Nitrogen - Nitrite-N	RWL 10.05	0.01	mg/L	<0.01
Nitrogen - Nitrate-N	RWL 10.05	0.05	mg/L	0.16
Total Organic Carbon*	Envirolab	1	mg/L	4
Dissolved Organic Carbon*	Envirolab	1	mg/L	3
2-methylisoborneol*	UUQ	2	ng/L	<2
Geosmin*	UUQ	2	ng/L	<2
Aluminium (Total)	APHA3120B	0.005	mg/L	1.54
Aluminium (Dissolved)	APHA3120B	0.005	mg/L	0.28
Iron (Total)	APHA3120B	0.005	mg/L	2.0
Iron (Dissolved)	APHA3120B	0.005	mg/L	0.31
Manganese (Total)	APHA3120B	0.005	mg/L	0.072
Manganese (Dissolved)	APHA3120B	0.005	mg/L	0.012
Calcium	APHA3120B	0.1	mg/L	15.2
Magnesium	APHA3120B	0.1	mg/L	9.1
Hardness as CaCO3	APHA2340B	1	mg/L	75
Total Coliforms	APHA9223B	1	MPN/100mL	22,398
<i>E. coli</i>	APHA9223B	1	MPN/100mL	276
Heterotrophic Plate Count	APHA9215E	2	MPN/mL	7,440

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