



## Certificate Of Analysis

**Client:** Richmond Valley Council  
**Address:** Locked Bag 10  
Casino NSW 2470  
**Contact:** Aidan Macqueen  
**Sampled by:** Gary Mead  
**Subcontract Laboratory:** QUU (NATA 11085) / Envirolab (NATA 2901)  
**Subcontract Reference:** 17-06731 / 170896  
*Analysis results apply to samples as received.*

Final report

**Report no:** 17/1084  
**Date received:** 4/07/2017  
**Testing commenced:** 4/07/2017  
**Date reported:** 19/07/2017  
**No. of samples:** 2  
**Revision no:** 00

Raw and Finished Monthly

Sample No.: Sample description:  Date sampled:	Unit	Method	LOR	17/1084-1 RVC Finished Water 4/07/2017	17/1084-2 RVC Raw Water 4/07/2017
pH	pH	APHA4500H		7.6	7.6
Electrical Conductivity	µS/cm	APHA2510B	1	340	243
Total Dissolved Solids by calc	mg/L	APHA1030E	2	218	156
Dissolved Oxygen	mg/L	APHA4500OG	0.2	9.92	9.4
Fluoride - ISE	mg/L	APHA4500FC	0.05	0.97	[NA]
Colour (Apparent)	Pt-Co	RWL10.02	2	<2	100
Colour (True)	Pt-Co	RWL10.02	2	<2	31
Turbidity	NTU	APHA2130B	0.1	0.14	18
Alkalinity (as CaCO3)	mg/L	APHA2320B	20	99	87
Suspended Solids	mg/L	APHA2540D	1	<1	15
Aluminium (Total)	mg/L	APHA3120B	0.005	0.082	1.12
Aluminium (Dissolved)	mg/L	APHA3120B	0.005	0.068	0.25
Iron (Total)	mg/L	APHA3120B	0.005	0.005	2.0
Iron (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.30



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<b>Sample No.:</b> <b>Sample description:</b>  <b>Date sampled:</b>	<b>Unit</b>	<b>Method</b>	<b>LOR</b>	<b>17/1084-1</b> <b>RVC</b> <b>Finished</b> <b>Water</b> <b>4/07/2017</b>	<b>17/1084-2</b> <b>RVC Raw</b> <b>Water</b> <b>4/07/2017</b>
Manganese (Total)	mg/L	APHA3120B	0.005	<0.005	0.038
Manganese (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.01
Calcium	mg/L	APHA3120B	0.1	16.6	17.6
Magnesium	mg/L	APHA3120B	0.1	10.2	10.9
Hardness as CaCO <sub>3</sub>	mg/L	APHA2340B	1	83	89
Total Coliforms	MPN/100mL	APHA9223B	1	<1	6,570
<i>E. coli</i>	MPN/100mL	APHA9223B	1	<1	291
Heterotrophic Plate Count	MPN/mL	APHA9215E	2	<2	6,000
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	0.19	0.18
Total Organic Carbon*	mg/L	Envirolab	1	3	5
Dissolved Organic Carbon*	mg/L	Envirolab	1	2	4
Total Trihalomethanes*	µg/L	Envirolab	1	21	[NA]
2-methylisoborneol*	ng/L	UUQ	2	[NA]	<2
Geosmin*	ng/L	UUQ	2	[NA]	<2



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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:

S. Granzin  
Laboratory Analyst