



Certificate Of Analysis

Client: Richmond Valley Council

Address: Locked Bag 10
Casino NSW 2470

Contact: Aidan Macqueen

Sampled by: Wayne Orton

Subcontract Laboratory: QUU (NATA 11085) / Envirolab (NATA 2901)

Subcontract Reference: 17-03531 / 164948

Analysis results apply to samples as received.

Final report

Raw and Finished Monthly

Report no: 17/0551

Date received: 5/04/2017

Testing commenced: 5/04/2017

Date reported: 20/04/2017

No. of samples: 2

Revision no: 00

Sample No.: Sample description: Date sampled:	Unit	Method	LOR	17/0551-1 RVC Finished Water 5/04/2017	17/0551-2 RVC Raw Water 5/04/2017
pH	pH	APHA4500H		8.3	7.5
Electrical Conductivity	µS/cm	APHA2510B	1	486	207
Total Dissolved Solids by calc	mg/L	APHA1030E	2	311.0	132.0
Dissolved Oxygen	mg/L	APHA4500OG	0.2	8.8	8.4
Fluoride - ISE	mg/L	APHA4500FC	0.05	1.01	[NA]
Colour (Apparent)	Pt-Co	RWL10.02	2	<2	690
Colour (True)	Pt-Co	RWL10.02	2	<2	55
Turbidity	NTU	APHA2130B	0.1	0.10	170
Alkalinity (as CaCO3)	mg/L	APHA2320B	20	115	68
Suspended Solids	mg/L	APHA2540D	1	1	220
Aluminium (Total)	mg/L	APHA3120B	0.005	0.054	6.69
Aluminium (Dissolved)	mg/L	APHA3120B	0.005	0.054	0.72
Iron (Total)	mg/L	APHA3120B	0.005	<0.005	12.8
Iron (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.54



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Sample No.: Sample description: Date sampled:	Unit	Method	LOR	17/0551-1 RVC Finished Water 5/04/2017	17/0551-2 RVC Raw Water 5/04/2017
Manganese (Total)	mg/L	APHA3120B	0.005	<0.005	0.30
Manganese (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.005
Calcium	mg/L	APHA3120B	0.1	12.8	14.5
Magnesium	mg/L	APHA3120B	0.1	7.3	9.8
Hardness as CaCO ₃	mg/L	APHA2340B	1	62	77
Total Coliforms	MPN/100mL	APHA9223B	1	<1	129,970
<i>E. coli</i>	MPN/100mL	APHA9223B	1	<1	119
Heterotrophic Plate Count	MPN/mL	APHA9215E	2	<2	22,300
Phosphorus - Total	mg/L	RWL 10.07	0.05	<0.05	0.53
Nitrogen - Nitrite-N	mg/L	RWL 10.05	0.01	<0.01	<0.01
Nitrogen - Nitrate-N	mg/L	RWL 10.05	0.05	0.46	0.45
Total Organic Carbon*	mg/L	EnviroLab	1	2	8
Dissolved Organic Carbon*	mg/L	EnviroLab	1	3	5
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:

A. Hawthorne
Laboratory Manager
Approved Authoriser