



## Certificate Of Analysis

**Client:** Richmond Valley Council

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

**Contact:** Aidan Macqueen

**Sampled by:** Mia Donnelly / Dan O'Neill

\* **Subcontract Laboratory:** Envirolab (NATA 2901) / SGS (NATA 14429)

\* **Subcontract Reference:** 191453 / ME306625

Sampled in accordance with RWL 2.0 to 2.05

Final report

RVC Casino & L River Quarterly

**Report no:** 18/0744

**Date received:** 8/05/2018

**Testing commenced:** 8/05/2018

**Date reported:** 21/05/2018

**No. of samples:** 10

**Revision no:** 00

Sample No.: Sample description:  Date sampled: Time sampled:	Unit	Method	LOR	18/0744/1 Casino Council Depot 8/05/2018	18/0744/2 Casino Bruton St 8/05/2018	18/0744/3 Casino Walker Street 8/05/2018	18/0744/4 Coraki Memorial Park 8/05/2018	18/0744/5 Box Ridge Community 8/05/2018	18/0744/6 Woodburn Riverside Park 8/05/2018	18/0744/7 Broadwater Community Centre 8/05/2018	18/0744/8 Rileys Hill Community Centre 8/05/2018
Colour (True)	Pt-Co	RWL10.02	2	<2	<2	<2	<2	<2	<2	<2	<2
Ammonia-N	mg/L	RWL 10.06	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen - Nitrate-N	mg/L	RWL 10.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrogen - Nitrite-N	mg/L	RWL 10.05	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminium (Total)	mg/L	APHA3120B	0.005	1.28	1.18	0.21	0.020	0.018	0.032	0.030	0.026
Copper (Total)	mg/L	APHA3120B	0.005	0.019	0.022	0.032	0.018	0.041	<0.005	0.006	0.044
Iron (Total)	mg/L	APHA3120B	0.005	0.08	0.05	0.04	<0.005	<0.005	0.005	<0.005	<0.005
Lead (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Total)	mg/L	APHA3120B	0.005	0.013	0.011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc (Total)	mg/L	APHA3120B	0.005	<0.005	0.011	0.005	<0.005	0.006	<0.005	<0.005	0.005
Total Trihalomethanes*	µg/L	Envirolab	1	53	46	46	44	36	34	25	29
Conductivity - field	µS/cm	APHA2510B	1	410	391	395	182	183	188	187	186
Total Dissolved Solids - field	mg/L	APHA1030E	2	262	250	253	116	117	120	120	119



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Arsenic (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Barium (Total)	mg/L	APHA3120B	0.01	0.019	0.019	0.018	<0.01	<0.01	<0.01	<0.01	<0.01
Boron (Total)	mg/L	APHA3120B	0.005	0.01	0.009	0.009	0.01	0.009	0.009	0.009	0.008
Calcium	mg/L	APHA3120B	0.1	19.2	19.2	18.1	22.7	22.9	24.5	24.5	24.2
Magnesium	mg/L	APHA3120B	0.1	10.6	10.7	11.2	1	1	0.6	0.7	0.7
Hardness as CaCO3	mg/L	APHA2340B	1	92	92	91	61	61	64	64	63
Chromium (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium	mg/L	APHA3120B	0.15	48.3	48.4	47.6	12.7	12.6	12.6	12.9	13.2
Nickel (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	mg/L	RWL 10.09	2	26	25	26	16	16	16	17	17
Fluoride - ISE	mg/L	APHA4500FC	0.05	1.06	1.06	1.05	0.073	0.060	0.054	0.052	0.051
Sulphate#	mg/L	RWL 10.10	1	58.0	57.8	56.2	1.3	1.1	1.2	1.2	1.2
Alkalinity (as CaCO3)	mg/L	APHA2320B	20	96	98	98	69	69	71	71	71
Hydrogen Sulphide*	mg/L	SGS	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon tetrachloride*	µg/L	Envirolab	1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium (Total)*	mg/L	Envirolab	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Antimony (Total)*	mg/L	Envirolab	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001



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Sample No.: Sample description:  Date sampled: Time sampled:	Unit	Method	LOR	18/0744/9 Evans Head School 8/05/2018	18/0744/10 Evans Head High Zone 8/05/2018
Colour (True)	Pt-Co	RWL10.02	2	<2	<2
Ammonia-N	mg/L	RWL 10.06	0.01	<0.01	<0.01
Nitrogen - Nitrate-N	mg/L	RWL 10.05	0.05	<0.05	<0.05
Nitrogen - Nitrite-N	mg/L	RWL 10.05	0.01	<0.01	<0.01
Aluminium (Total)	mg/L	APHA3120B	0.005	0.031	0.035
Copper (Total)	mg/L	APHA3120B	0.005	0.011	0.005
Iron (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005
Lead (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005
Manganese (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005
Zinc (Total)	mg/L	APHA3120B	0.005	0.019	0.056
Total Trihalomethanes*	µg/L	Envirolab	1	43	40
Conductivity - field	µS/cm	APHA2510B	1	187	182
Total Dissolved Solids - field	mg/L	APHA1030E	2	120	116
Arsenic (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005
Barium (Total)	mg/L	APHA3120B	0.01	<0.01	<0.01
Boron (Total)	mg/L	APHA3120B	0.005	0.008	0.008
Calcium	mg/L	APHA3120B	0.1	25.1	23.0
Magnesium	mg/L	APHA3120B	0.1	0.6	0.5
Hardness as CaCO <sub>3</sub>	mg/L	APHA2340B	1	65	59



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Chromium (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005
Sodium	mg/L	APHA3120B	0.15	12.3	13.1
Nickel (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005
Chloride	mg/L	RWL 10.09	2	16	16
Fluoride - ISE	mg/L	APHA4500FC	0.05	0.051	0.10
Sulphate#	mg/L	RWL 10.10	1	1.2	1.1
Alkalinity (as CaCO3)	mg/L	APHA2320B	20	69	73
Hydrogen Sulphide*	mg/L	SGS	0.05	<0.05	<0.05
Carbon tetrachloride*	µg/L	Envirolab	1	<1	<1
Cadmium (Total)*	mg/L	Envirolab	0.0001	<0.0001	<0.0001
Antimony (Total)*	mg/L	Envirolab	0.001	<0.001	<0.001

General comments: This report must not be reproduced except in full. This report relates only to items tested as specified herein. Samples analysed 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:

V. Barnett  
Laboratory Analyst  
Approved Authoriser